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WATER FOR UTAH

A Review of Duties and Funding Programs of the Division and Board of Water Resources

January 2008

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BOARD OF WATER RESOURCES

PROVO RIVER DISTRICT Juab, Utah, and Wasatch Counties	PAUL MCPHERSON - CHAIR 885 West 200 South Nephi, UT 84648 Phone: (435) 623-1421 (home) (801) 362-7150 (cell) pmcpherson@greenlineeq.com
BEAR RIVER DISTRICT Box Elder, Cache, and Rich Counties	BLAIR R. FRANCIS - VICE CHAIR P.O. Box 69 Woodruff, UT 84086 Phone: (435) 793-4243 (home)
GREEN RIVER DISTRICT Daggett, Duchesne, and Uintah Counties	D. BRAD HANCOCK 1476 W. Memory Lane (417-9) Roosevelt, UT 84066 Phone: (435) 722-5001 (office) (435) 722-2500 (home) bhancock@rooseveltcity.com
WEBER RIVER DISTRICT Weber, Davis, Morgan, and Summit Counties	IVAN W. FLINT 1533 W. Phillips Street Kaysville, UT 84037 Phone: (801) 544-3557 (home) ivanwflint@hotmail.com
LOWER COLORADO RIVER DISTRICT Beaver, Garfield, Iron, Washington, and Kane Counties	HAROLD SHIRLEY 365 South 100 West Cedar City, UT 84720 Phone: (435) 586-8442 (home) sharold10@msn.com
SEVIER RIVER DISTRICT Millard, Sanpete, Sevier, Piute, and Wayne Counties	ROBERT D. BESSEY 393 South Main Street Manti, UT 84642 Phone: (435) 835-3661 (435) 340-0038 (cell) rbessey@mail.manti.com
SALT LAKE DISTRICT Salt Lake and Tooele Counties	VACANT
UPPER COLORADO RIVER DISTRICT Carbon, Emery, Grand, and San Juan Counties	CRAIG E. JOHANSEN 15 East 1000 North Castle Dale, UT 84513 Phone: (435) 381-2523 (office) (435) 381-2545 (home) jt@etv.net

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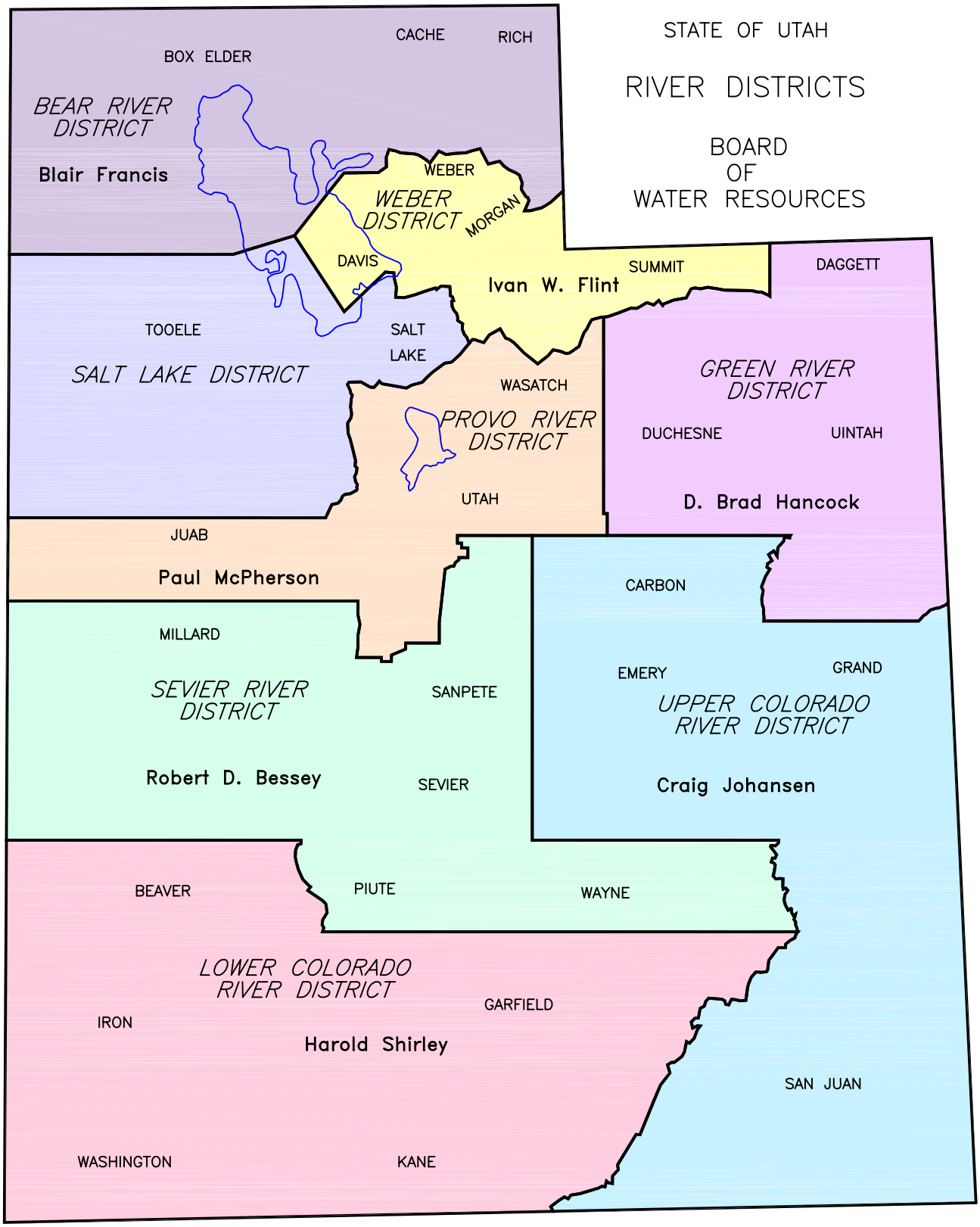
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BOARD/DIVISION OF WATER RESOURCES
Briefing Paper

The Division of Water Resources (Division) is one of seven agencies of the Utah Department of Natural Resources and is the water resources authority for the State of Utah. The Board of Water Resources (Board) is the policy-making body of the Division.

Legislative Authority

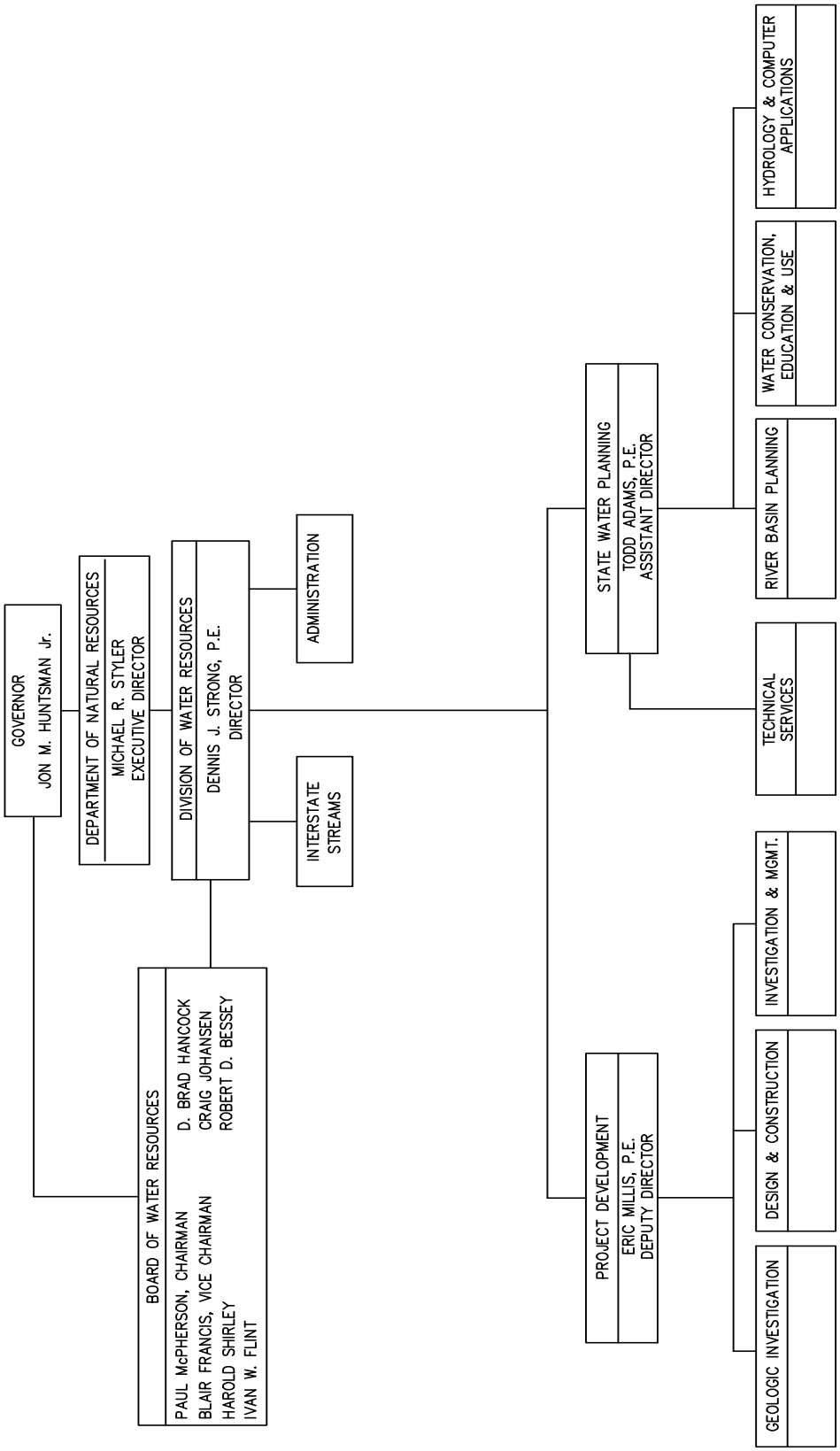
- Protect Utah's rights to interstate waters.
- Provide comprehensive water planning.
- Manage Utah's water resource project construction programs.

Mission

- **The Division of Water Resources plans, conserves, develops, and protects Utah's water resources.**

Goals

- Implement water education/conservation programs that encourage wise municipal, industrial, agricultural, and environmental water use.
- Defend and protect Utah's rights to develop and use its entitlement to interstate streams.
- Continue state water planning activities to identify future water needs and assist water entities in meeting those needs.
- Provide technical and financial assistance to encourage the highest beneficial uses of water consistent with economic, social, and environmental consideration.
- Maintain accurate and current water supply and land use data for each hydrologic basin in the state.
- Promote cloud seeding operational projects and research.



January 2008

INTERSTATE STREAMS AND STATE AND FEDERAL RELATIONS

Geography, history and national politics have a profound influence on water management in Utah. Drainage basins covering more than half the state are associated with interstate streams. The water resources of these areas are governed by state water law, as well as interstate compacts. In addition, over two-thirds of the lands of the state are owned and administered by the federal government and federal laws and regulations associated with these lands present unique problems to state water planners and administrators. Increased environmental awareness has generated federal legislation that significantly constrains the formulation and implementation of water-related activities.

The Board, with the approval of the department executive director and the governor, designates a representative of the state of Utah in all interstate conferences and meetings between the state of Utah and one or more basin states held to enter into compacts to divide interstate waters or to discuss interstate streams issues. Dennis Strong, the Division of Water Resources (Division) Director serves as Utah's Interstate Streams Commissioner, the governor's representative on Colorado River management issues and is Utah's representative on the Upper Colorado River Commission, and Bear River Commission. In addition the Director serves on the Western States Water Council, Colorado River Basin Salinity Control Forum and Advisory Council, and the Glen Canyon Adaptive Management Work Group.

Because control of much of Utah's water resources is affected by actions of other states and federal agencies, active participation on selected interstate and state/federal bodies is essential to protect Utah's interests.

Upper Colorado River Commission

The states of the Upper Basin are entitled to approximately one-half of the waters of the Colorado River system measured at Lee Ferry, Arizona. Of the allocation, 50,000 acre-feet of consumptive use is apportioned to Arizona; of the remainder, 51.75% is apportioned to Colorado, 11.25% to New Mexico, 14% to Wyoming, and 23% to Utah. Based on 100 years of water supply records, Utah's annual entitlement is estimated to be 1.369 million acre-feet.

The Upper Colorado River Commission was created by the Upper Colorado River Compact of 1948. The Commission has a federal chairman (appointed by the president) and one member from each of the four Upper Division States - Colorado, New Mexico, Utah and Wyoming. Dennis Strong is Utah's commissioner and Mr. Dallin Jensen serves as the alternate commissioner. In addition, the Board appointed the following advisers to the commission: Don Christiansen, general manager of the Central Utah Water Conservancy District; Scott Ruppe, manager of the Uintah Water Conservancy District; Jerry Olds, State Engineer; Robert King, of the Division; and Norman Johnson, Assistant Attorney General.

Bear River Commission

The Bear River Commission is created by a three-state compact between Idaho, Utah and Wyoming; comprised of a federal representative, appointed by the president, and three members from each of the states.

Utah Code specifies that Utah's Interstate Streams Commissioner shall be the chairman of Utah's delegation to the Bear River Commission. In addition, a commissioner from the Bear River Basin (above Bear Lake) and a commissioner from the basin (below Bear Lake) are appointed by the Board with the consent of the Governor. An alternate for each of the two can also be appointed. By law, these four persons must be irrigators and live on irrigated farms located in the basin. The current Utah delegation to the Bear River Commission is composed of Dennis Strong, chairman of the Utah delegation; Blair Francis, the Upper Bear River Basin commissioner; and Norman Weston, alternate. Both men live in Rich County. In the Lower Bear River Basin, Charles Holmgren of Box Elder County is the commissioner and Joseph Larsen of Cache County is the alternate. Jerry Olds, State Engineer; Norman Johnson, Assistant Attorney General; and Todd Adams of the Division serve as advisers to the Utah commissioners.

Western States Water Council

The Western States Water Council was organized in June 1965 by the governors comprising the Western Governors Conference, with the stated purpose of accomplishing effective cooperation among the western states in planning for programs leading to integrated water resources development by state, federal and other agencies. Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington and Wyoming are members of the council. Because the Western Governors Conference was disbanded and the Western Governors Association (WGA) has been created, the council now reports to the WGA.

The principal function of the Council has been to foster areas of agreement, where the combined strength of western state water officials is able to influence actions of Congress and federal agencies on water policy. The Council has developed a high degree of prestige and is doing a creditable job representing the states and their governors on water matters.

Each state may designate three individuals as Council members and additional alternate members. The appointments are made by the governor, and they serve at his pleasure. Utah's members are currently Norman Johnson (Legal Committee), Larry Anderson (Water Resources Committee), Dennis Strong (Executive Committee), and Walt Baker, Division of Water Quality (Water Quality Committee).

Colorado River Basin Salinity Control Forum and Advisory Council

The salinity concentrations of the waters of the Colorado River have been of major concern to the seven Colorado River Basin States (Utah, Colorado, New Mexico, Wyoming, California, Arizona and Nevada). The salt content of the water has an economic impact on agricultural and municipal and industrial uses in the Basin. The Salinity Control Forum was created in 1972 with the concurrence of the Governor and the water development and water quality agencies of the seven states. Although it has no specific legislative mandate, the forum has been very successful as a means of obtaining comity and strong congressional support for salinity control projects.

It is important to the proper function of the Forum that members are professionals from the water development and water quality agencies of state government. Walt Baker (Division of Water Quality), Randy Crozier (Duchesne County Water Conservancy District), and Dennis Strong are Utah's members to the Forum.

In 1974 Congress passed the Colorado River Salinity Control Project Act, which authorizes funding for salinity control projects. The act also provides for the appointment of three members to an advisory council by each governor of the seven Colorado River basin states. The Council is responsible for advising the Secretary of Interior, the Secretary of Agriculture and the Administrator of the Environmental Protection Agency on salinity matters. The Council meets annually with representatives of Interior and Agriculture departments and the Environmental Protection Agency. Dallin Jensen, Walt Baker and Dennis Strong serve on this council at the pleasure of the governor.

Governor's Representative on Colorado River Management

Following the 1983 flooding on the Colorado River, the Secretary of the Interior invited each of the seven governors to name a personal representative to negotiate management policies on operations of the reservoir system on the river. Meetings are held frequently between the seven representatives and staff of the Bureau of Reclamation to discuss Colorado Basin issues. Dennis Strong is the Governor's representative.

Glen Canyon Adaptive Management Work Group

Created by the Grand Canyon Protection Act of 1992, the Glen Canyon Adaptive Management Program includes a federal advisory committee to make recommendations to the Secretary of the Interior on the operations of Glen Canyon Dam to enhance and protect the downstream environment in the Grand Canyon, while also maintaining the purposes for which Glen Canyon Dam was built. Dennis Strong is Utah’s representative on the Federal Advisory Committee and Robert King of the Division serves as an alternate on the committee as well as on the technical committee. Director Strong and Mr. King help protect Utah’s interest in its Colorado River water supply, recreation on Lake Powell, environmental enhancement, and power generation capacity at Glen Canyon Dam

STATE WATER PLANNING

The Division is responsible to plan for and encourage the use of the state's water resources. To do that, the Division has established the following planning objectives:

- Help local, state and federal agencies coordinate water resources planning and development activities.
- Maintain programs with federal and state agencies to obtain streamflow, climatological, SNOTEL, water quality data, water-related land use and municipal and industrial water use data.
- Develop and maintain river basin models for state planning purposes and operational models for specific project feasibility and development studies.
- Study technologies and methods that will help meet future water resource needs.
- Continue to formulate and maintain both a State Water Plan and basin plans that: (1) identify and quantify existing and projected municipal, industrial, agricultural and environmental water use; (2) identifies and quantifies water supply sources; and (3) identifies how much additional water will be needed and makes recommendations for meeting future needs; (4) identifies and studies water-related topics and issues that must be considered in meeting future water needs.

River Basin Studies

Since completion of the Utah State Water Plan in 1990, the Division has completed 11 detailed basin plans covering the entire state. The plans describe water resource development opportunities and problems in the basins, identify options, and make recommendations for future actions. They also help coordinate the activities of local, state and federal water agencies within the river basins. The Division published an updated statewide plan in 2001 entitled “Utah’s Water Resources: Planning for the Future”. Updates of the 11 previously published basin plans will be done on an as-needed basis. The Bear River Plan has been updated and work is being done to update the Weber River Basin Plan, a combined plan for the Cedar/Beaver and Kanab Creek/Virgin River basins, and the Jordan River and Utah Lake basin plans.

Resource Inventories, Computer Modeling and Special Studies

The Division obtains needed data and provides technical modeling and hydrologic analysis for state water planning, water development projects, and coordination with federal and state agencies. Some of the current activities/studies by the planning branch include participation in the Quality Growth Efficiency Tools planning process; statewide summaries of water-related land use and municipal and industrial water use; residential per capita water use; and technical models for the Great Salt Lake, Uinta River operation, Lake Fork River and Ashley/Brush Creeks simulation. Simulation models of the Bear, Weber, and Virgin rivers are continually updated and used by the Division and managers for water planning.

Conservation and Education

The Water Conservation and Education programs are focused on activities and programs to help Utahns reduce the per capita municipal and industrial water use of Utah residents. The division is committed to expand efforts in water conservation and education by:

a. Providing materials and teacher training in public schools; sponsoring the Utah Waters Van program and the Water Education Poster Contest and Banquet.

b. Assisting the Governor's Water Conservation Team

c. Working with local water agencies to develop and implement water conservation programs, including education of the general public as to how to use Utah's water wisely;

d. Promoting modification of laws, ordinances and regulations to promote efficient water use.

Cloud Seeding

Cloud seeding has long been recognized by water professionals as a feasible means to augment the natural water supply. Conditions are especially favorable in Utah where topography, climate and water storage reservoirs make winter snowpack enhancement cost-effective.

Utah enacted weather modification legislation in 1973, and an operational cloud seeding program was funded in 1976. The field program, which usually extends from November to April, is funded jointly by the state and local water interests. Statistical analysis of the cloud seeding program since its beginning shows an average increase in precipitation of 8% to 20% in seeded areas at a cost of about $1.70 per acre-foot for the additional water.

WATER DEVELOPMENT PROGRAMS

In 1909 the Utah State Legislature approved an "Act to Provide for a Utah State Conservation Commission" to prevent waste of the natural resources in Utah. On March 17, 1921, the Legislature created the Utah Water Storage Commission. Its principal powers and duties were "to make investigations, looking to a full and proper development and utilization of the state's water supply." That organization continued until March 31, 1941, when the Legislature abolished the Commission and gave its powers and duties to a newly-created Publicity and Industrial Development Department.

The Utah Water and Power Board was created in 1947. At the same time, the Legislature implemented a Revolving Construction Fund to provide financial assistance for the construction of water development and conservation projects. This began the legacy of the state's participation in a self-help water development cooperative effort that continues to function today.

With the creation of the Department of Natural Resources in 1967, the Legislature established the Board of Water Resources (to supersede the Water and Power Board) and the Division of Water Resources to administer the state's responsibilities in water resource matters and act as technical advisor to the Board and Governor. The energy crisis of the 1970s brought rapid growth to many Utah cities. To help local leaders upgrade their culinary water systems, the 1974 Legislature created the Cities Water Loan Fund. Still faced with the need to develop additional water resources and the federal government's withering participation in funding water projects, the 1978 Legislature created a Conservation and Development Fund to help develop large projects.

In 1990 the Dam Safety Act was passed and the Board again was given a new funding responsibility. Dam safety is included in the Revolving Construction Fund and the Board is authorized to provide grants to bring high hazard dams up to current dam safety standards. Grants are provided only when the legislature appropriates money for dam safety grants. The State Engineer classifies all dams into one of three categories: high, moderate, or low hazard. The Board, in concert with the State Engineer, ranks high hazard dams based on their potential to cause loss of life and/or property damage. Grants of at least 80% are given based on the ranking priority and money appropriated.

Beginning in 1947 with the creation of the Water and Power Board, and continuing with the Board of Water Resources, both technical and financial assistance has been provided to public and private entities to more effectively utilize the state’s water resources. Since initiation of that policy, the state legislature has appropriated approximately $277 million for water development. Because the Board requires financial assistance be repaid (hence the term revolving loan program is often used), the Board has provided over $542 million through its Revolving Construction, Cities Water Loan, and Conservation and Development Funds, with a ratio of over $2.88 in construction for each dollar provided by the Board. Through its Dam Safety Funding Program the Board has provided grants totaling nearly $50 million to bring 27 high hazard dams up to current dam safety standards. Funding programs are administered through the Division under the direction of the eight-member Board. The Board and Division are charged with planning for full utilization of the water and power resources of the state. During the past 60 years the Board and Division have been involved in the planning, design, construction, and financing of 1,293 water projects.

BOARD OF WATER RESOURCES

Summary of Funds Invested in Water Development From 1947 thru FY 2007

County	Revolving Construction Fund		Conservation & Development Fund		Cities Water Loan Fund		Total	Total	% of
	Funds	Projects	Funds	Projects	Funds	Projects	Funds	Projects	Funds
Beaver	7,710,757	21	2,079,000	3	690,000	3	10,479,757	27	1.9
Box Elder	4,346,844	41	5,566,435	9	4,767,002	18	14,680,281	68	2.7
Cache	12,774,622	39	9,612,139	18	6,718,985	21	29,105,746	78	5.3
Carbon	778,182	13	8,935,000	8	4,273,000	9	13,986,182	30	2.5
Daggett	6,944,329	7	0	0	471,300	3	7,415,629	10	1.3
Davis	7,156,207	18	40,904,052	21	7,112,400	17	55,172,659	56	10.1
Duchesne	2,334,376	16	4,935,704	2	4,533,000	14	11,803,080	32	2.1
Emery	2,375,019	10	9,200,000	5	1,556,000	6	13,131,019	21	2.4
Garfield	3,546,058	26	4,048,851	5	1,162,000	6	8,756,909	37	1.6
Grand	357,594	4	4,775,016	4	817,240	2	5,949,850	10	1.0
Iron	2,575,560	19	2,644,552	4	2,314,000	9	7,534,112	32	1.3
Juab	8,687,662	32	4,045,718	3	654,000	3	13,387,380	38	2.4
Kane	1,414,269	9	1,859,793	2	1,531,000	4	4,805,062	15	0.8
Millard	12,925,609	108	0	0	2,295,300	13	15,220,909	121	2.8
Morgan	1,109,903	14	2,841,710	2	300,000	1	4,251,613	17	0.7
Piute	11,938,572	14	0	0	0	0	11,938,572	14	2.2
Rich	3,435,518	11	580,000	2	217,000	3	4,232,518	16	0.7
Salt Lake	5,642,419	29	28,330,474	19	2,022,000	4	35,994,893	52	6.6
San Juan	4,713,909	12	11,043,753	3	552,000	3	16,309,662	18	3.0
Sanpete	14,888,231	83	13,289,945	18	4,990,700	14	33,168,876	115	6.1
Sevier	3,865,765	33	2,848,000	5	1,262,867	8	7,976,632	46	1.4
Summit	5,116,913	25	14,346,925	9	12,319,137	16	31,782,975	50	5.8
Tooele	3,107,019	28	10,648,860	4	433,000	3	14,188,879	35	2.6
Uintah	10,624,143	19	6,318,771	4	1,454,000	4	18,396,914	27	3.3
Utah	5,174,209	72	21,219,530	20	5,063,616	16	31,457,355	108	5.7
Wasatch	1,706,135	21	11,207,521	6	0	0	12,913,656	27	2.3
Washington	7,438,607	49	62,523,934	27	4,414,500	16	74,377,041	92	13.7
Wayne	4,252,531	38	310,000	1	80,000	1	4,642,531	40	0.8
Weber	5,510,904	33	22,503,354	22	1,393,000	6	29,407,258	61	5.4
Board Totals	$162,451,866	844	$306,619,037	226	$73,397,047	223	$542,467,950	1293	100.0%
Cost Sharing	$83,982,615		$797,680,728		$138,531,462		1,020,194,805		
Total Cost	$246,434,481		1,104,299,765		$211,928,509		$1,562,662,755		

BOARD OF WATER RESOURCES

APPROPRIATIONS/SALES TAX REVENUES

YEAR	CONSTRUCTION	CITY LOANS	C & D FUND	TOTAL
1947 - 1949	$ 1,000,000			$ 1,000,000
1951 - 1953	500,000			500,000
1953 - 1955	250,000			250,000
1955 - 1957	500,000			500,000
1957 - 1959	1,000,000			1,000,000
1959 - 1961	750,000			750,000
1963 - 1965	1,000,000			1,000,000
1965 - 1967	900,000			900,000
1967 - 1969	576,000			576,000
1969 - 1970	300,000			300,000
1970 - 1971	392,000			392,000
1971 - 1972	400,000			400,000
1972 - 1973	1,000,000			1,000,000
1973 - 1974	1,500,000			1,500,000
1974 - 1975	1,000,000	$ 2,000,000		3,000,000
1975 - 1976	1,000,000	0		1,000,000
1976 - 1977	1,500,000	3,500,000		5,000,000
1977 - 1978	5,394,400	1,778,000		7,172,400
1978 - 1979	0	2,000,000	$ 25,000,000	27,000,000
1979 - 1980	2,390,000	1,901,343	25,000,000	29,291,343
1980 - 1981	1,000,000	1,000,000	0	2,000,000
1981 - 1982	500,000	1,000,000	0	1,500,000
1982 - 1983	500,000	3,000,000	20,000,000	23,500,000
1983 - 1984	5,500,000	2,500,000	0	8,000,000
1984 - 1985	0	1,086,800	0	1,086,800
1985 - 1986	2,000,000	1,250,000	3,000,000	6,250,000
1986 - 1987	0	50,000	0	50,000
1987 - 1988	0	0	0	0
1988 - 1989	0	500,000	0	500,000
1989 - 1990	0	0	14,643,429	14,643,429
1991 - 1992	0	0	5,800,000	5,800,000
1992 - 1993	300,000 *	0	4,236,000	4,536,000
1993 - 1994	185,000 *	0	398,200	583,200
1994 - 1995	1,300,000 *	0	589,500	1,889,500
1995 - 1996	0	0	2,489,500	2,489,500
1996 - 1997	3,200,000 *	0	2,256,500	5,456,500
1997 - 1998	4,363,000 *	0	5,989,500	10,352,500
1998 - 1999	4,363,000 *	0	6,039,500	10,402,500
1999 - 2000	4,363,000 *	0	5,989,500	10,352,500
2000 - 2001	4,363,000 *	0	5,989,500	10,352,500
2001 - 2002	4,363,000 *	0	4,789,500	9,152,500
2002 - 2003	3,349,100 *	0	439,700	3,788,800
2003 - 2004	4,339,100 *	0	4,418,200	8,757,300
2004 - 2005	4,339,100 *	0	4,418,200	8,757,300
2005 - 2006	4,339,100 *	0	4,418,200	8,757,300
2006 - 2007	4,339,100 *	0	12,924,666	17,263,766
2007 - 2008	4,339,100 *	0	13,874,600 **	18,213,700
TOTAL	$ 82,697,000	$ 21,566,143	$ 172,704,195	$ 276,967,338

* Appropriations for Dam Safety Program, Total Dam Safety Appropriations equal $51,844,600

** Includes $9,456,400 Sales Tax for Lake Powell Pipeline/Bear River Development

Board of Water Resources

Summary of Project Types

1947-2007

Projects With Feature	Project Type
27	Dam Safety Construction Projects
122	Dams, Dam Repair, Enlargement
50	Diversion Dams
61	Wells
148	Canals and Canal Linings
91	Pipelines
221	Sprinkler Systems
89	Dual Water Systems
426	Municipal and Domestic Systems
58	Miscellaneous
1293	TOTAL

BOARD OF WATER RESOURCES

Projects Funded FY 2007

Sponsor		County		Board Funds
Revolving Construction Fund				
Lincoln Culinary Water Corp		Tooele	$	332,000
Spanish Fork South Irr Co		Utah		29,500
Dry Gulch Irr Co		Duchesne		221,000
Deseret Irr Co (Amend, Phase 5)		Millard		168,000
Fountain Green Irr Co (Well)		Sanpete		221,000
Fremont Irr Co		Wayne		282,500
Otter Creek Res Co		Piute		190,000
Marble Creek Irr Co		Piute		19,000
Circleville Irr Co		Piute		115,000
Loss Creek Irr Co		Piute		172,000
Newcastle Water Co (Additional Funds)		Washington		520,000
RCF Subotal			$	2,270,000
Revolving Construction Fund (Dam Safety)				
San Juan WCD (Recapture Dam)(Amend)	Grant	San Juan	$	200,000
Kents Lake Irr Co (Three Creeks Dam)(Amend)	Grant	Beaver		3,319,000
Kents Lake Irr Co (Three Creeks Dam)(Amend)	Loan	Beaver		186,000
Enterprise Res & Cnl Co (Lower Ent Dam)	Loan	Washington		20,000
DMAD Company (DMAD Dam)(Amend)	Grant	Beaver		874,000
Enterprise Res & Cnl Co (Upper Ent Dam)	Grant	Washington		200,000
Dam Safety Total			$	4,799,000
RCF TOTAL			$	7,069,000
Cities Water Loan Fund				
Town of Mantua		Box Elder	$	140,000
Corinne City		Box Elder		326,000
Kamas City		Summit		1,879,000
CWL TOTAL			$	2,345,000
Conservation & Development Fund				
Hooper Irr Co (Amend 5; Phase 2)		Weber	$	145,000
Ashley Valley Res Co		Uintah		2,400,000
City of North Salt Lake (Bond Ins Grant)		Salt Lake		30,000
Emigration Imp Dist		Salt Lake		2,860,000
Davis & Weber Counties Cnl Co (Amend, Ph 5)		Davis		2,125,000
Cub River Irr Co		Utah		1,280,000
St George & Washington Canal Co (Amend, Ph 3)		Washington		1,950,000
Huntington-Cleveland Irr Co		Cache		6,000,000
Wellsville Mendon Conservation Dist		Cache		95,000
Salem City		Utah		7,500,000
Pleasant Grove City (Bond Ins Grant)		Sanpete		115,000
Huntsville South Bench Canal Co		Weber		1,287,000
C&D Subotal			$	25,787,000
C&D Lake Powell/Bear River Studies				
Lake Powell Pipeline Studies				6,876,000
Bear River Pipeline Studies				-
Lake Powell/Bear River Total			$	6,876,000
C&D TOTAL			$	32,663,000
GRAND TOTAL			**$**	**42,077,000**

DAM SAFETY CONSTRUCTION GRANTS

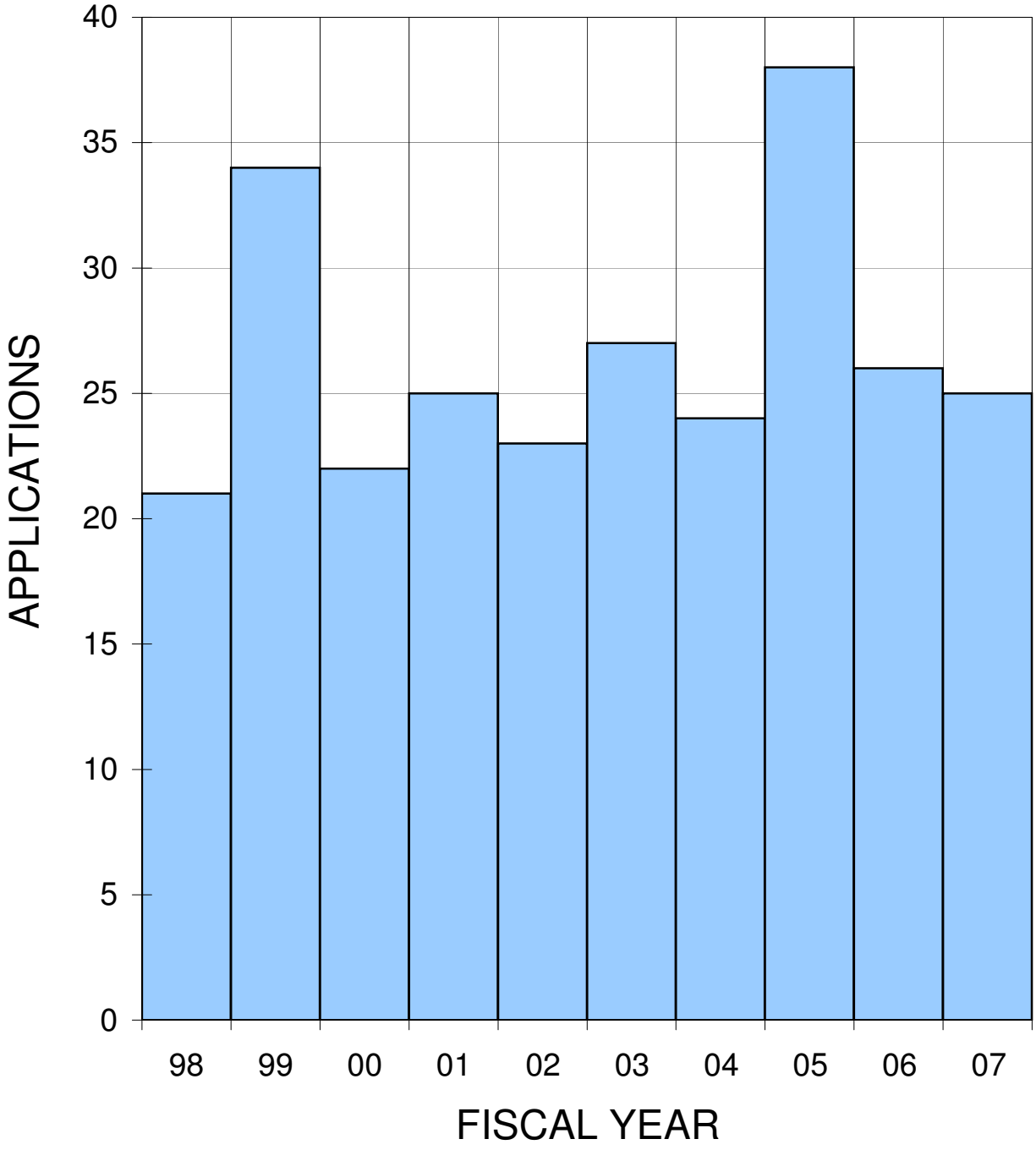
The Legislature has appropriated over $52 million for dam safety construction grants to the Board's Revolving Construction Fund. The Board has adopted guidelines for making grants to dam owners whose dams require upgrades as a result of the 1990 Dam Safety Act. The Board will provide at least 80% of the cost of upgrades for dam owners that are political subdivisions of the state, water user associations, or nonprofit water companies.

Following is a list of the dams that: 1) have been upgraded and now meet state requirements; 2) are currently being upgraded; or 3) are scheduled for upgrading within the next two years.

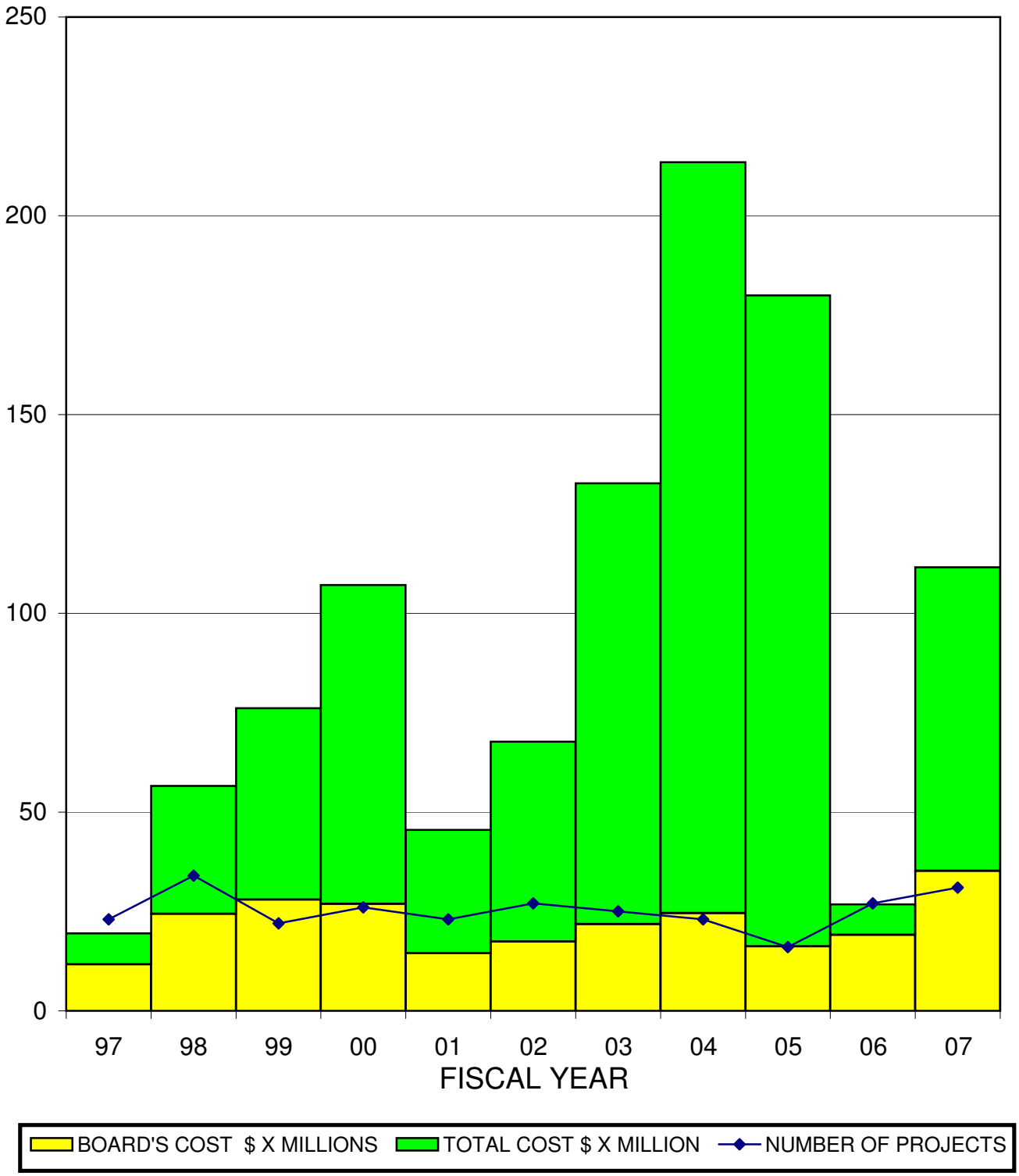
#	DAM	USE	OWNER/ORGANIZATION	STATUS
1/1/2008				
1	ADAMS	IRR	KAYS CREEK I.C.	COMPLY
2	BINGHAM CREEK	COMM	KENNECOTT	COMPLY
3	CITY CREEK	FLOOD	ST GEORGE CITY	COMPLY
4	CUTLER	HYDRO	PC (UP&L)	COMPLY
5	DRY CANYON	FLOOD	LINDON CITY	COMPLY
6	ELECTRIC LAKE	COMM	PC (UP&L)	COMPLY
7	FARMINGTON POND	FLOOD	DAVIS COUNTY	COMPLY
8	FORSYTH	IRR	FREMONT I.C.	COMPLY
9	GRANTSVILLE	MULTI	GRANTSVILLE I.C.	COMPLY
10	GUNLOCK	MULTI	LOWER GUNLOCK RES. CORP.	COMPLY
11	GUNNISON	IRR	GUNNISON I.C.	COMPLY
12	HOLMES	IRR	HOLMES CREEK I.C.	COMPLY
13	HUNTINGTON	IRR	HUNTINGTON-CLEVELAND I.C.	COMPLY
14	IVINS BENCH	IRR	IVINS I.C.	COMPLY
15	LOGAN 1ST	HYDRO	UTAH STATE UNIVERSITY	COMPLY
16	LONG PARK	IRR	SHEEP CREEK I.C.	COMPLY
17	LOYD'S LAKE	MULTI	SAN JUAN WCD	COMPLY
18	MANTUA	M&I	BRIGHAM CITY	COMPLY
19	MONA	IRR	CURRENT CREEK I.C.	COMPLY
20	MT DELL	M&I	SALT LAKE CITY	COMPLY
21	OTTER CREEK	IRR	OTTER CREEK RES. CO.	COMPLY
22	PORCUPINE	IRR	PORCUPINE RES. CO.	COMPLY
23	QUAIL CREEK (MAIN)	MULTI	WASHINGTON COUNTY WCD	COMPLY
24	QUAIL CREEK (SOUTH)	MULTI	WASHINGTON COUNTY WCD	COMPLY
25	ROCKY FORD (BEAVER)	IRR	ROCKY FORD I.C.	COMPLY
26	SEVIER BRIDGE	IRR	CONS. SEVIER BRIDGE CO.	COMPLY
27	SMITH & MOREHOUSE	MULTI	WEBER BASIN WCD	COMPLY
28	THISTLE	FLOOD	DEPARTMENT OF NATURAL RESOURCES	COMPLY
29	TRIAL LAKE	REC	CENTRAL UTAH WCD	COMPLY
30	TWIN LAKES	IRR	SALT LAKE CITY	COMPLY
31	WARNER DRAW	IRR	ST. GEORGE&WASHINGTON I.C.	COMPLY
32	WITT LAKE	IRR	LAKE CREEK I.C.	COMPLY
33	PIUTE	IRR	PIUTE RES. & I.C.	COMPLY
34	RECAPTURE	MULTI	SJWCD	COMPLY
35	DMAD	IRR	DMAD CO.	CONSTRUCTION
36	THREE CREEKS (BEAVER)	IRR	KENTS LAKE I.C.	CONSTRUCTION
37	ENTERPRISE (UPPER)	IRR	ENTERPRISE RES & CNL CO.	CONSTRUCTION
38	MILL HOLLOW	REC	WILDLIFE RESOURCES	CONSTRUCTION
39	ENTERPRISE (LOWER)	IRR	ENTERPRISE RES & CNL CO.	DESIGN 2008
40	MILLER FLAT	IRR	HUNTINGTON-CLEVELAND I.C.	DESIGN 2008
41	WIDE HOLLOW	IRR	NEW ESCALANTE I.C.	DESIGN 2008

BOARD OF WATER RESOURCES

APPLICATIONS RECEIVED

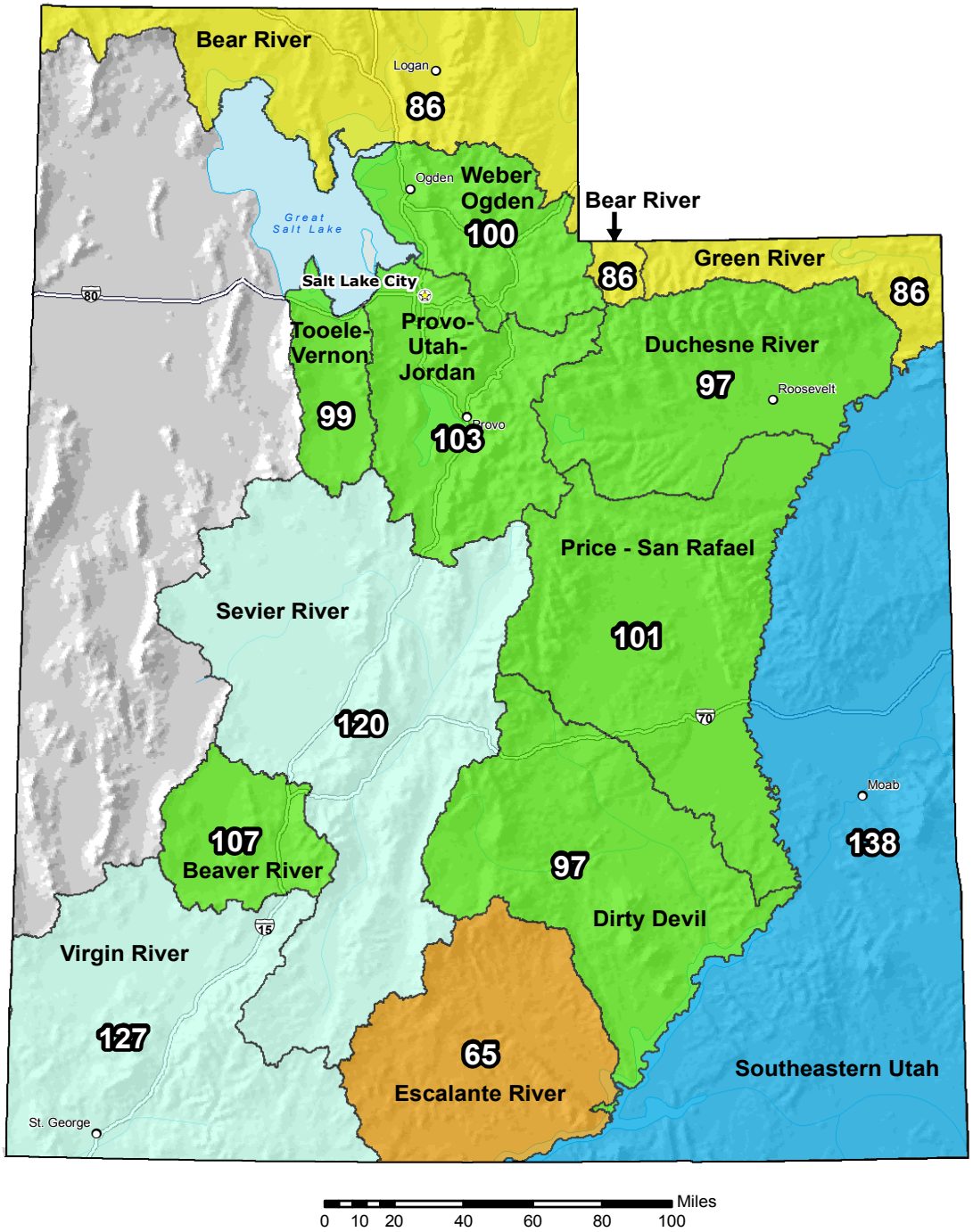


BOARD OF WATER RESOURCES
PROJECTS FUNDED



Utah
SNOTEL Snow Water Equivalent (SWE)
% of Normal

Jan 24, 2008



Current Snow Water Equivalent % of Normal

- unavailable *
- <50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- >= 150%

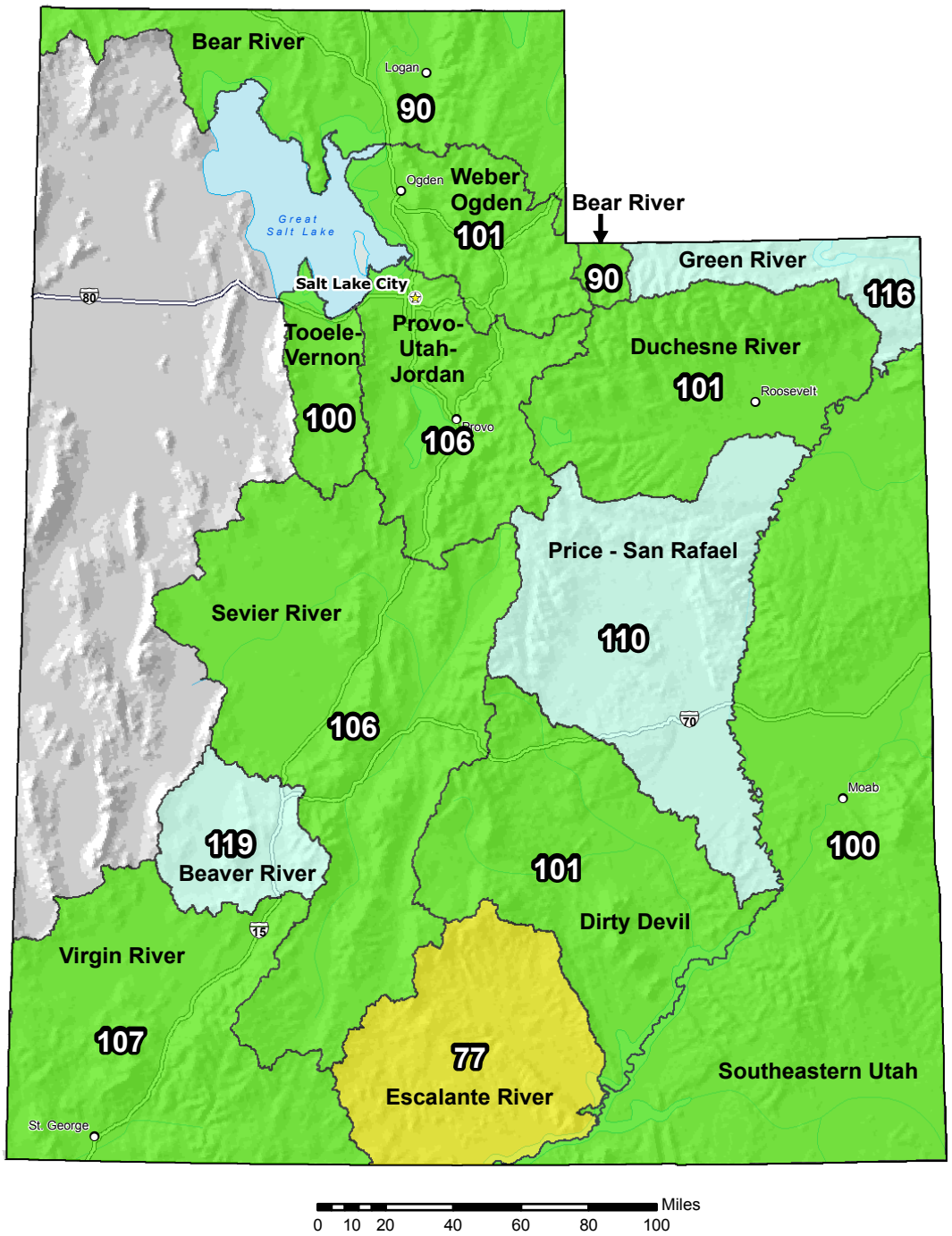
* *Data unavailable at time of posting or measurement is not representative at this time of year*

Provisional Data Subject to Revision

Prepared by the
USDA/NRCS National Water and Climate Center
Portland, Oregon
http://www.wcc.nrcs.usda.gov/gis/

Utah
SNOTEL Water Year (Oct 1) to Date Precipitation
% of Normal

Jan 24, 2008



Water Year (Oct 1) to Date Precipitation % of Normal

- unavailable *
- <50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- >= 150%

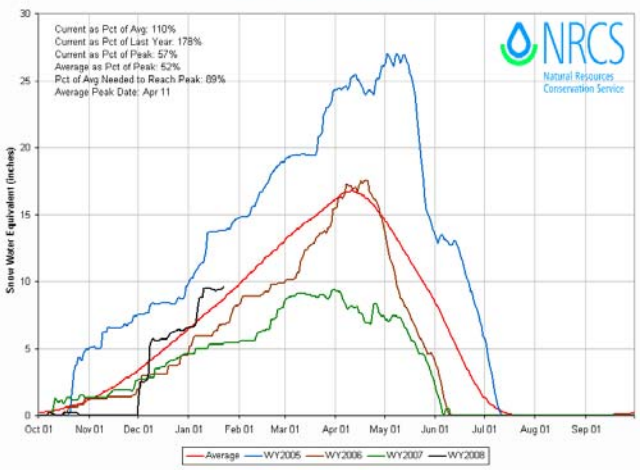
* *Data unavailable at time of posting or measurement is not representative at this time of year*

Provisional Data Subject to Revision

Prepared by the
USDA/NRCS National Water and Climate Center
Portland, Oregon
http://www.wcc.nrcs.usda.gov/gis/

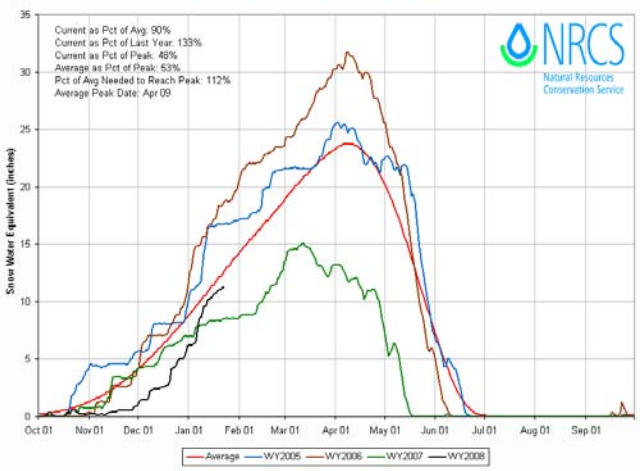
BEAVER RIVER Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



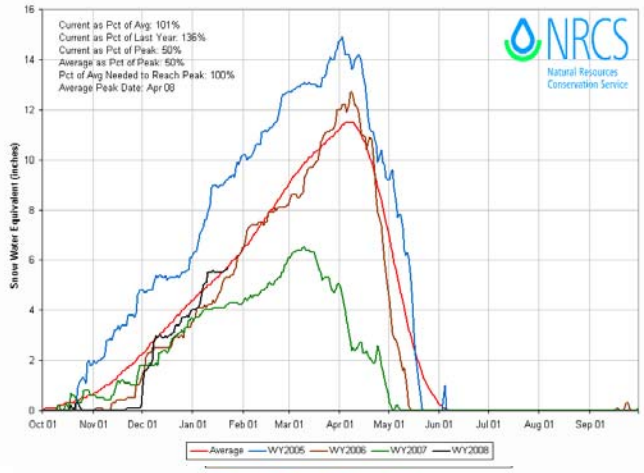
BEAR RIVER IN UTAH Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



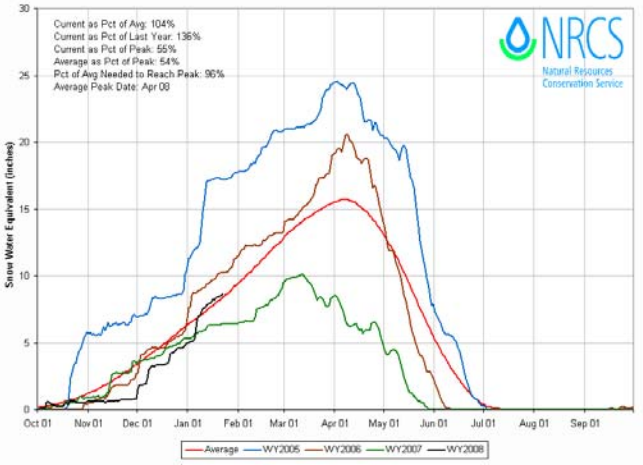
DIRTY DEVIL Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



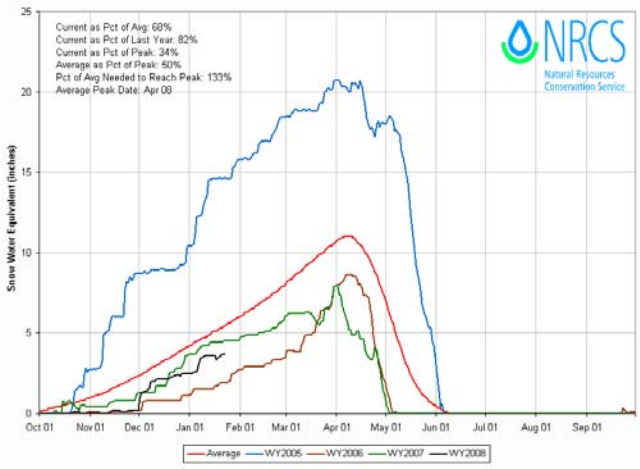
DUCHESNE RIVER Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



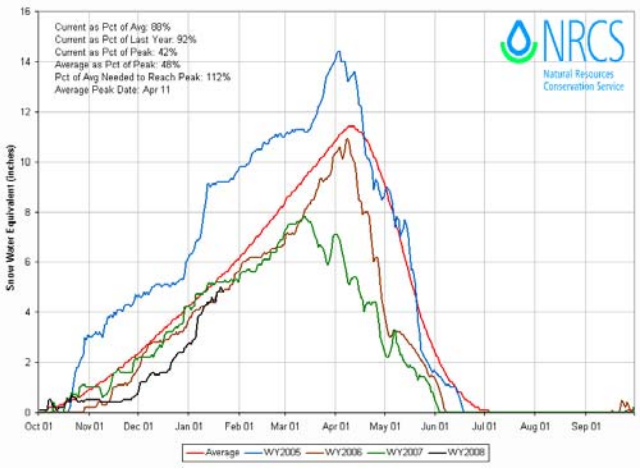
ESCALANTE RIVER Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



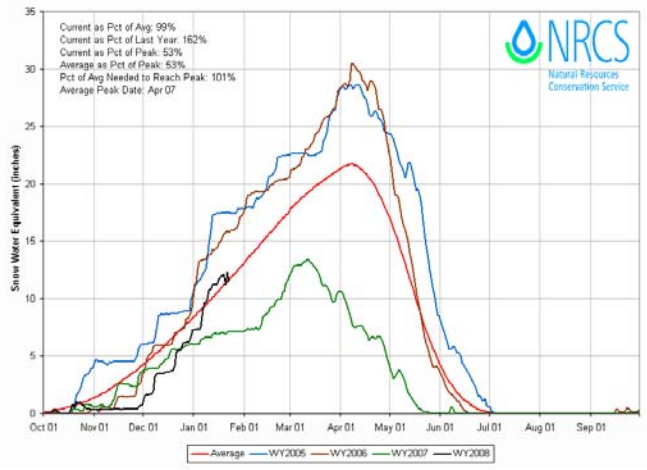
GREEN RIVER Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



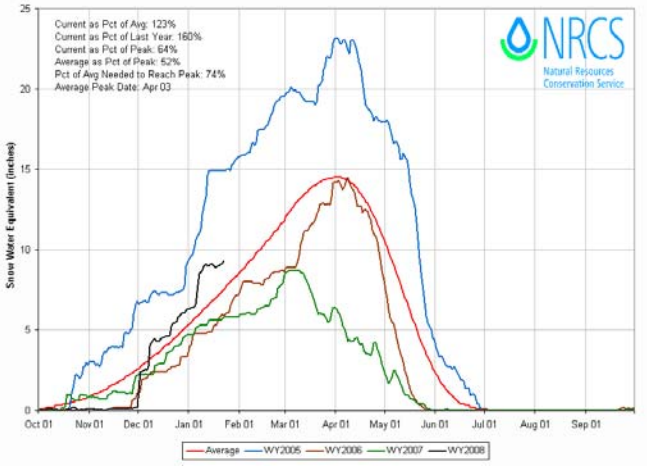
PROVO R.-UTAH LAKE-JORDAN R. Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



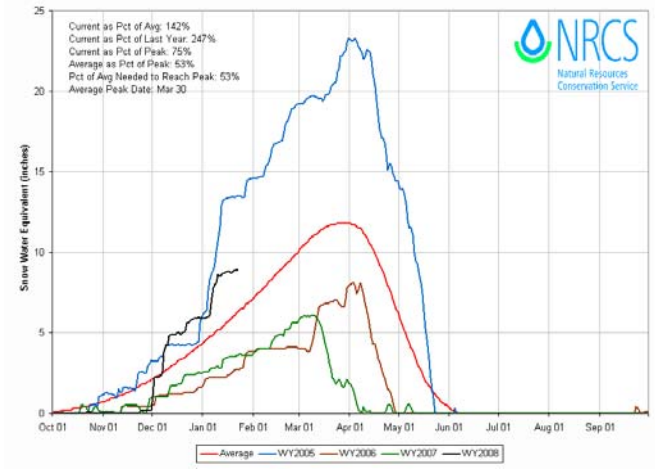
SEVIER RIVER Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



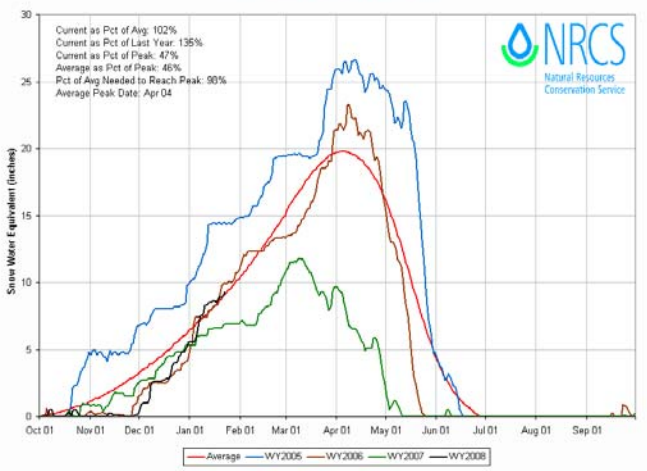
SOUTHEASTERN UTAH Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



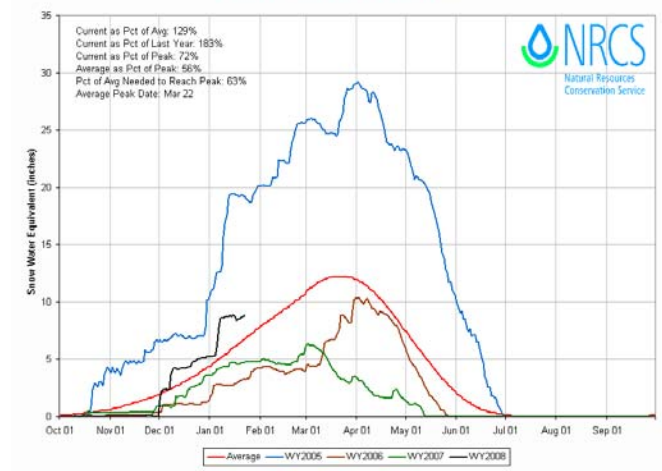
TOOELE VALLEY-VERNON CREEK Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008



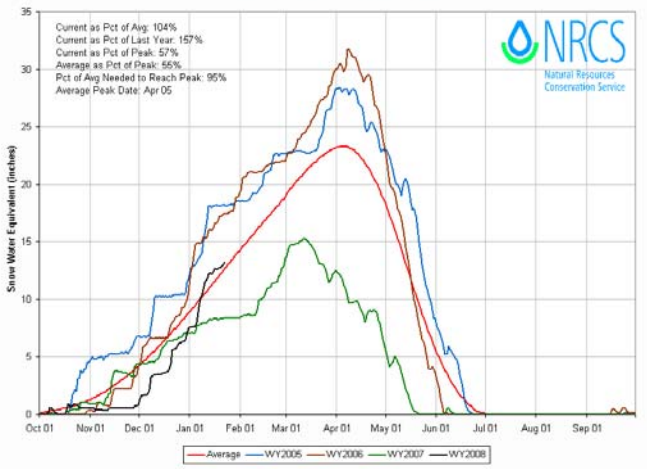
VIRGIN RIVER Time Series Snowpack Summary

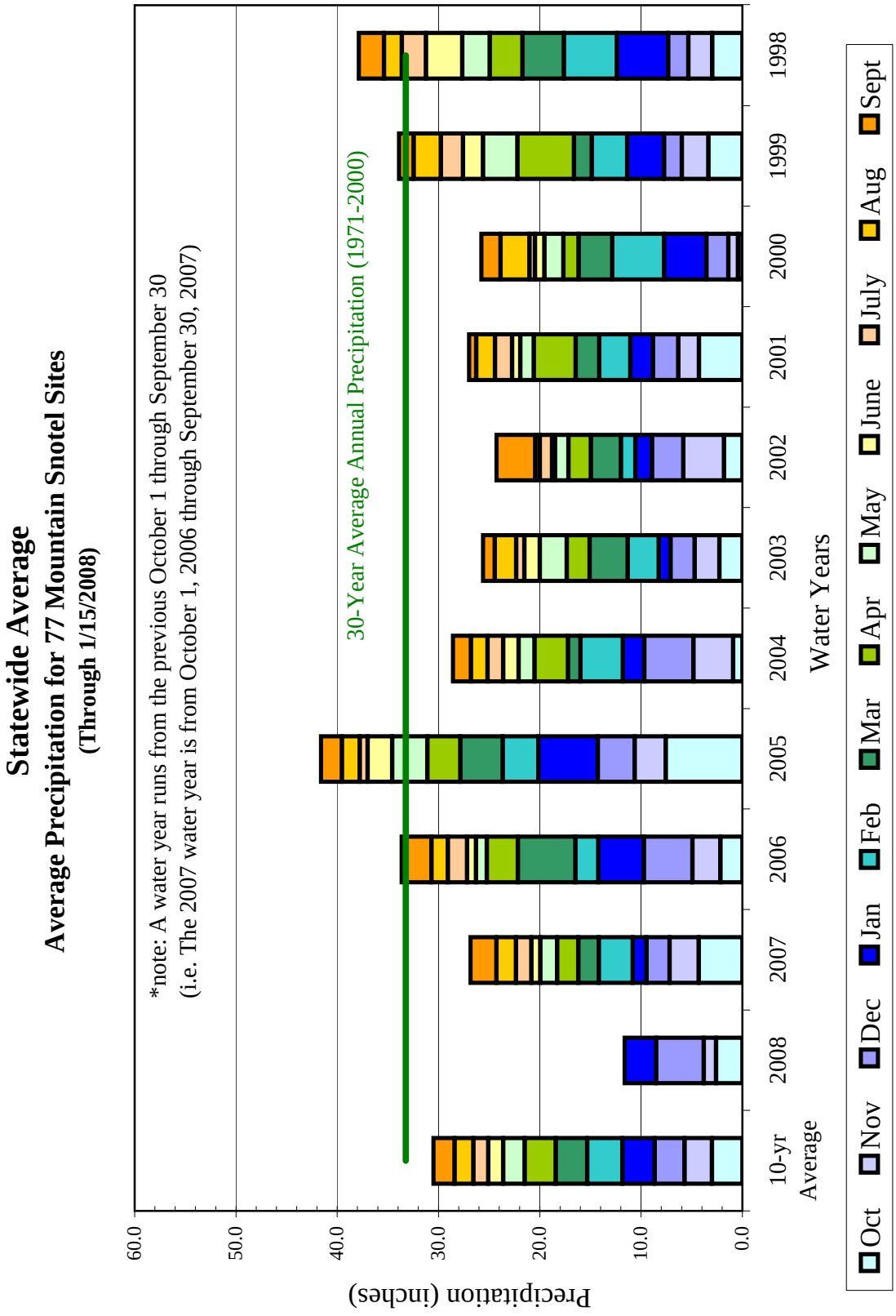
Based on Provisional SNOTEL data as of Jan 22, 2008

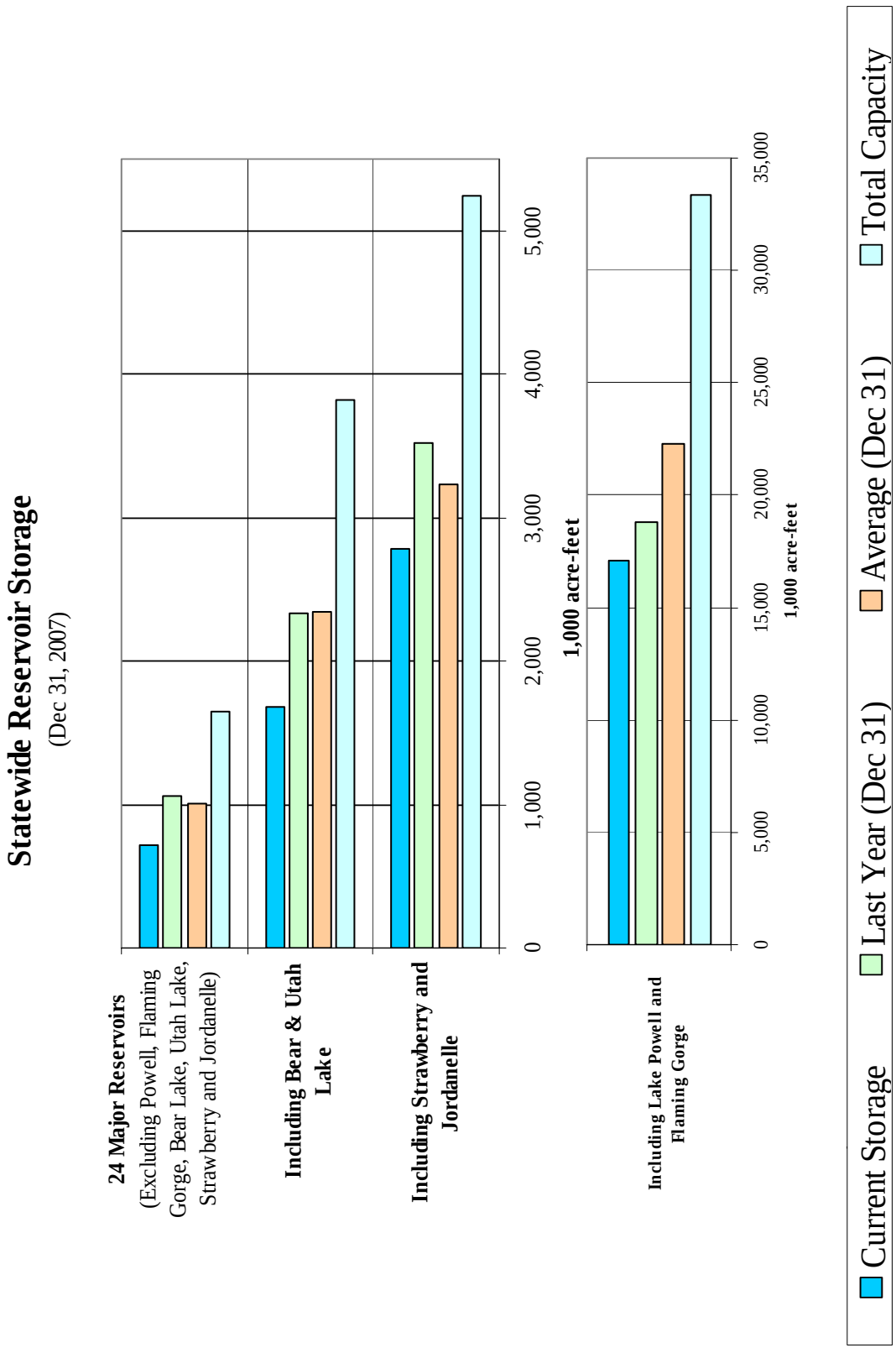


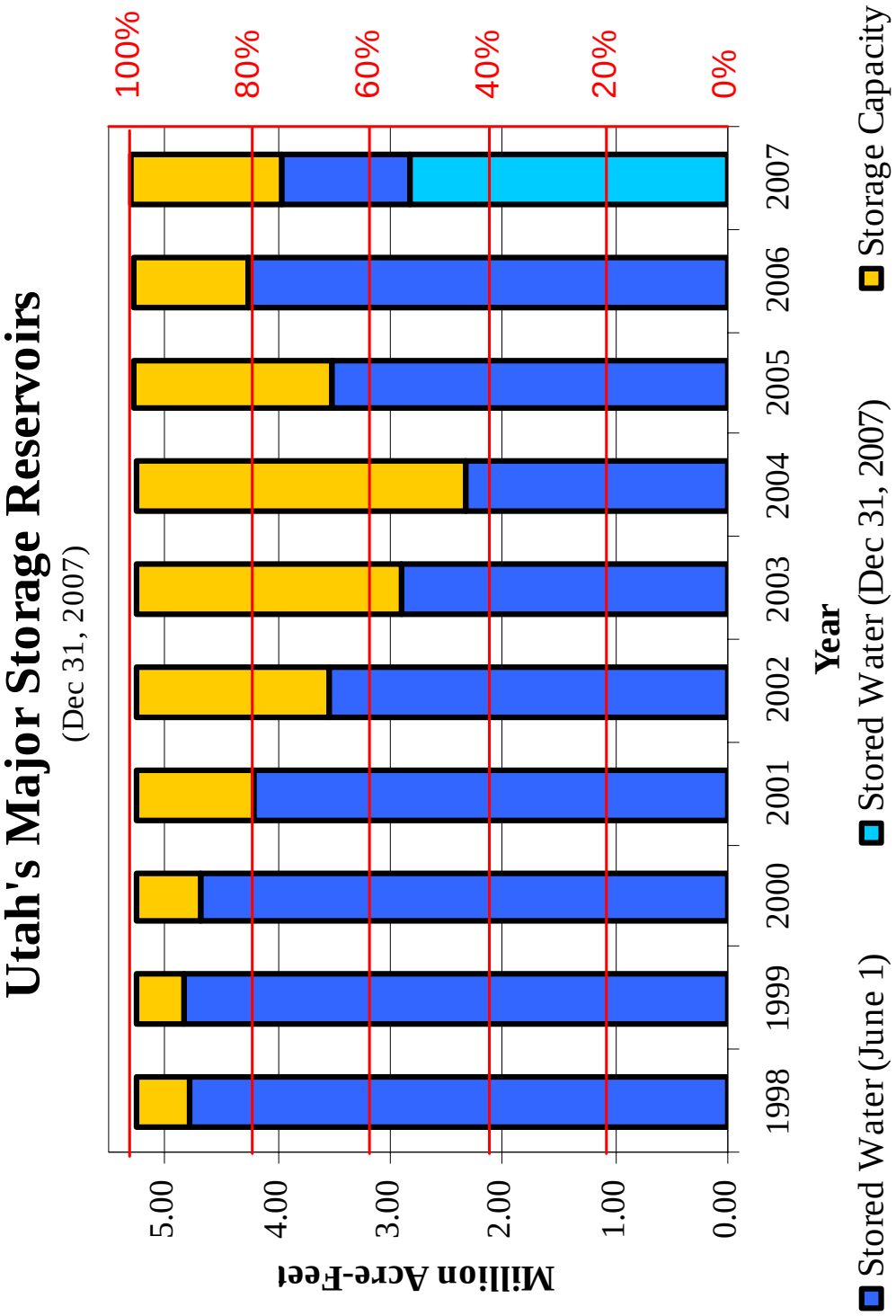
WEBER-OGDEN RIVERS Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jan 22, 2008

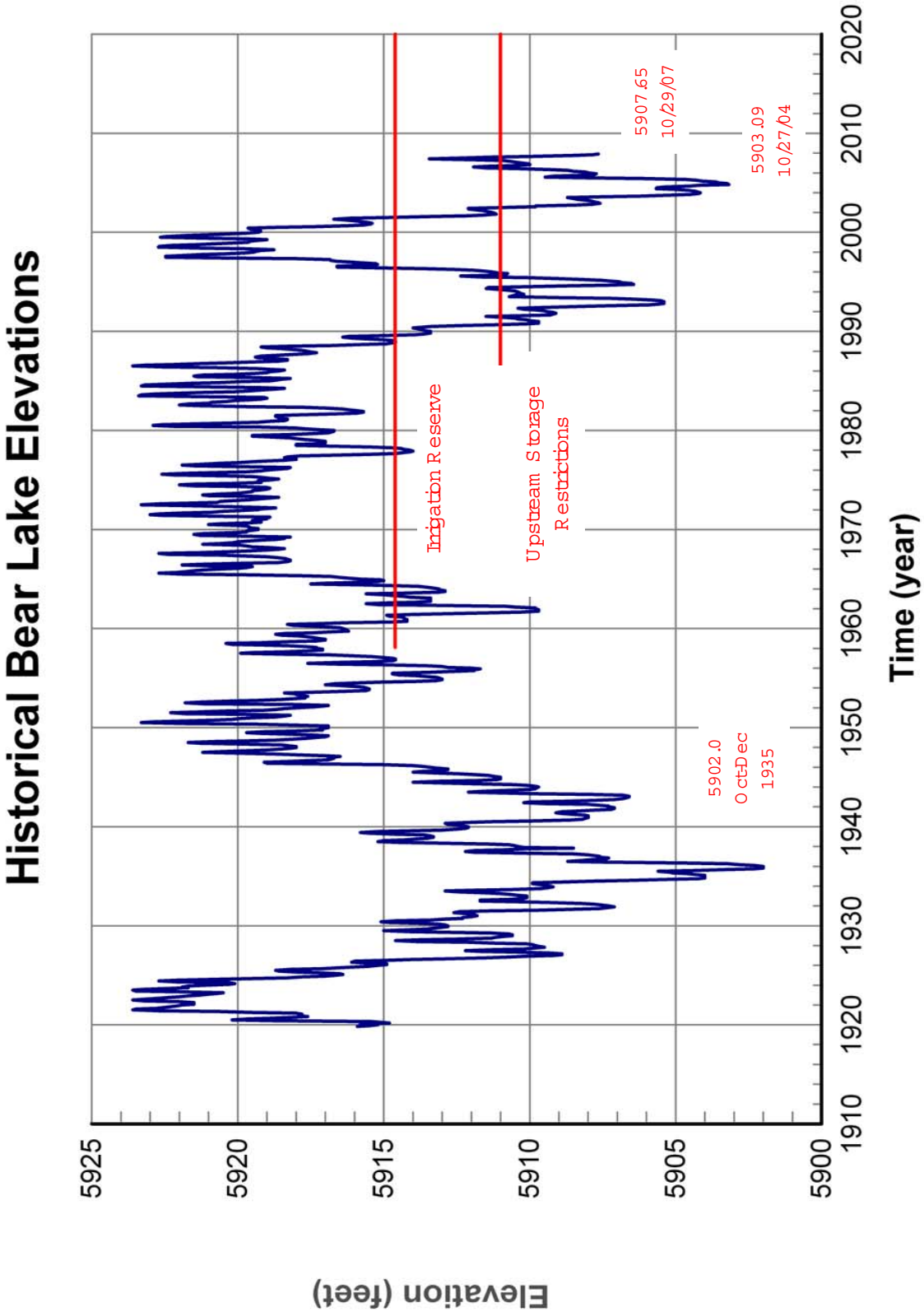


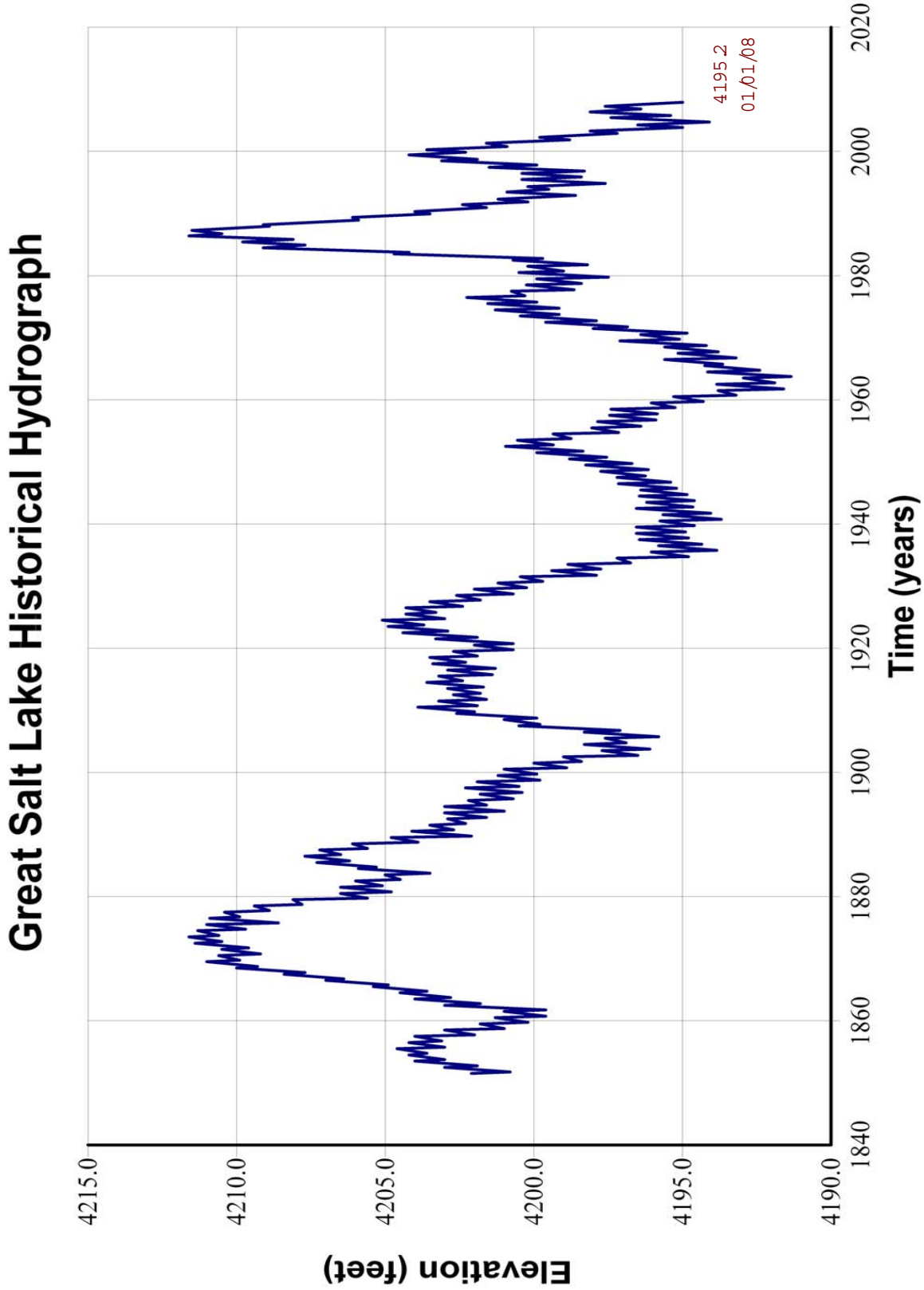

Statewide Average
Average Precipitation for 77 Mountain Snotel Sites
(Through 1/15/2008)
*note: A water year runs from the previous October 1 through September 30
(i.e. The 2007 water year is from October 1, 2006 through September 30, 2007)
30-Year Average Annual Precipitation (1971-2000)
Precipitation (inches)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
10-yr Average
2008
2007
2006
2005
2004
2003
2002
2001
2000
1999
1998
Water Years
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
June
July
Aug
Sept

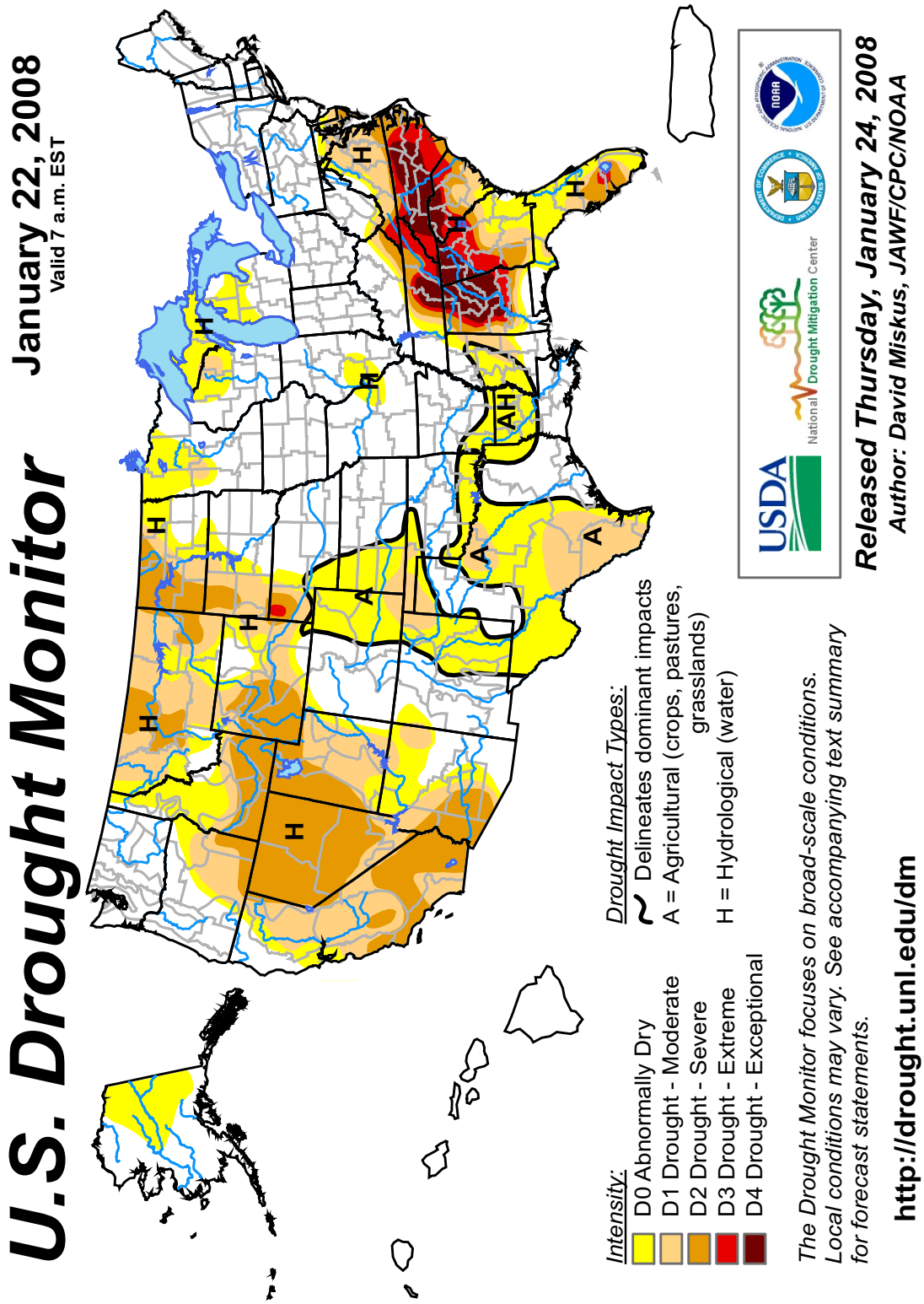

Statewide Reservoir Storage
(Dec 31, 2007)
24 Major Reservoirs
(Excluding Powell, Flaming Gorge, Bear Lake, Utah Lake, Strawberry and Jordanelle)
Including Bear & Utah Lake
Including Strawberry and Jordanelle
0
1,000
2,000
3,000
4,000
5,000
1,000 acre-feet
Including Lake Powell and Flaming Gorge
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
1,000 acre-feet
Current Storage
Last Year (Dec 31)
Average (Dec 31)
Total Capacity



This graphic now includes Jordanelle and Strawberry Reservoirs. Sand Hollow Reservoir is also included beginning in 2005.


Historical Bear Lake Elevations
Elevation (feet)
Time (year)
5925
5920
5915
5910
5905
5900
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
2020
Irrigation Reserve
Upstream Storage Restrictions
5907.65
10/29/07
5903.09
10/27/04
5902.0
Oct-Dec
1935


Great Salt Lake Historical Hydrograph
4195.2
01/01/08
Elevation (feet)
4215.0
4210.0
4205.0
4200.0
4195.0
4190.0
Time (years)
1840
1860
1880
1900
1920
1940
1960
1980
2000
2020


U.S. Drought Monitor
January 22, 2008
Valid 7 a.m. EST
Drought Impact Types:
Delineates dominant impacts
A = Agricultural (crops, pastures, grasslands)
H = Hydrological (water)
Intensity:
D0 Abnormally Dry
D1 Drought - Moderate
D2 Drought - Severe
D3 Drought - Extreme
D4 Drought - Exceptional
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.
USDA
National Drought Mitigation Center
Released Thursday, January 24, 2008
Author: David Miskus, JAWF/CPC/NOAA
http://drought.unl.edu/dm

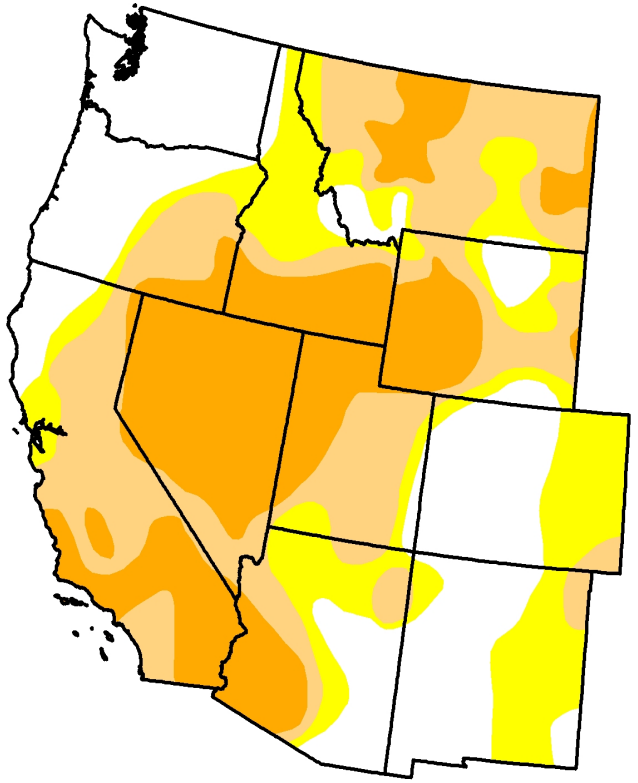
U.S. Drought Monitor

West

January 22, 2008
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	28.7	71.3	51.8	26.2	0.0	0.0
Last Week (01/15/2008 map)	27.3	72.7	53.6	28.5	0.0	0.0
3 Months Ago (10/30/2007 map)	28.4	71.6	57.4	41.5	10.0	0.0
Start of Calendar Year (01/01/2008 map)	26.3	73.7	54.7	33.1	2.7	0.0
Start of Water Year (10/02/2007 map)	22.0	78.0	62.3	44.7	12.4	0.0
One Year Ago (01/23/2007 map)	48.7	51.3	30.5	14.9	4.9	0.0



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

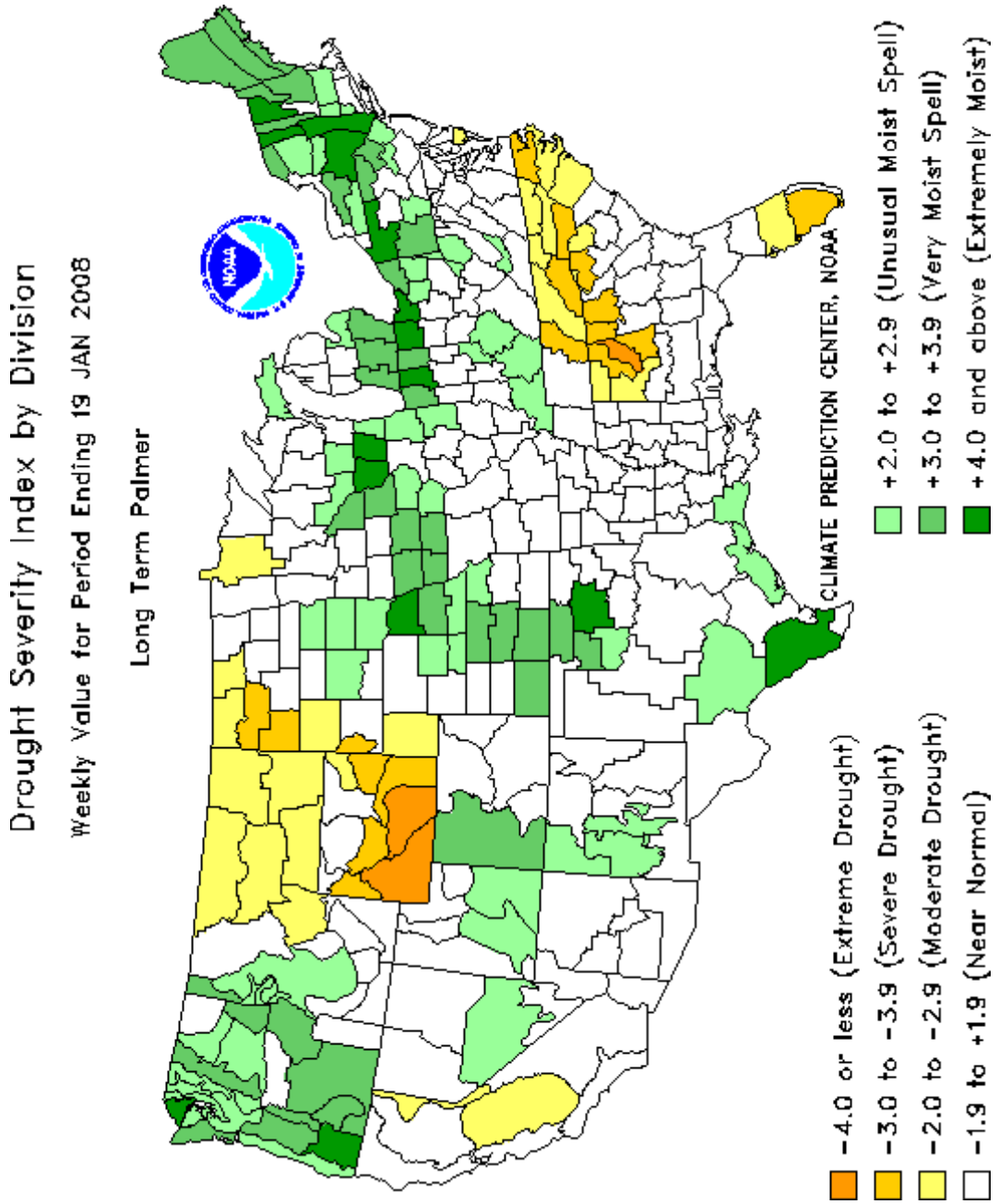
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

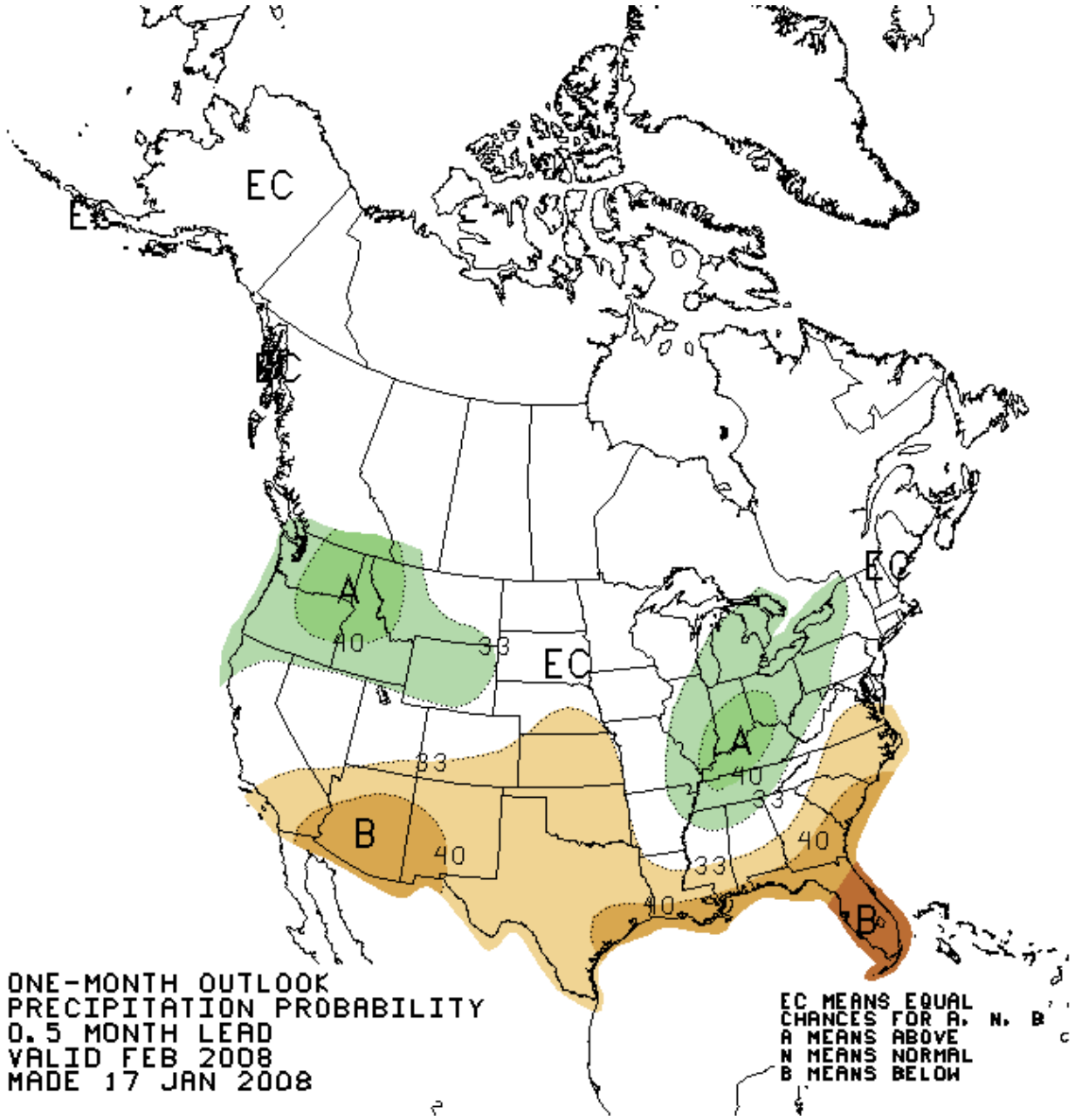
http://drought.unl.edu/dm

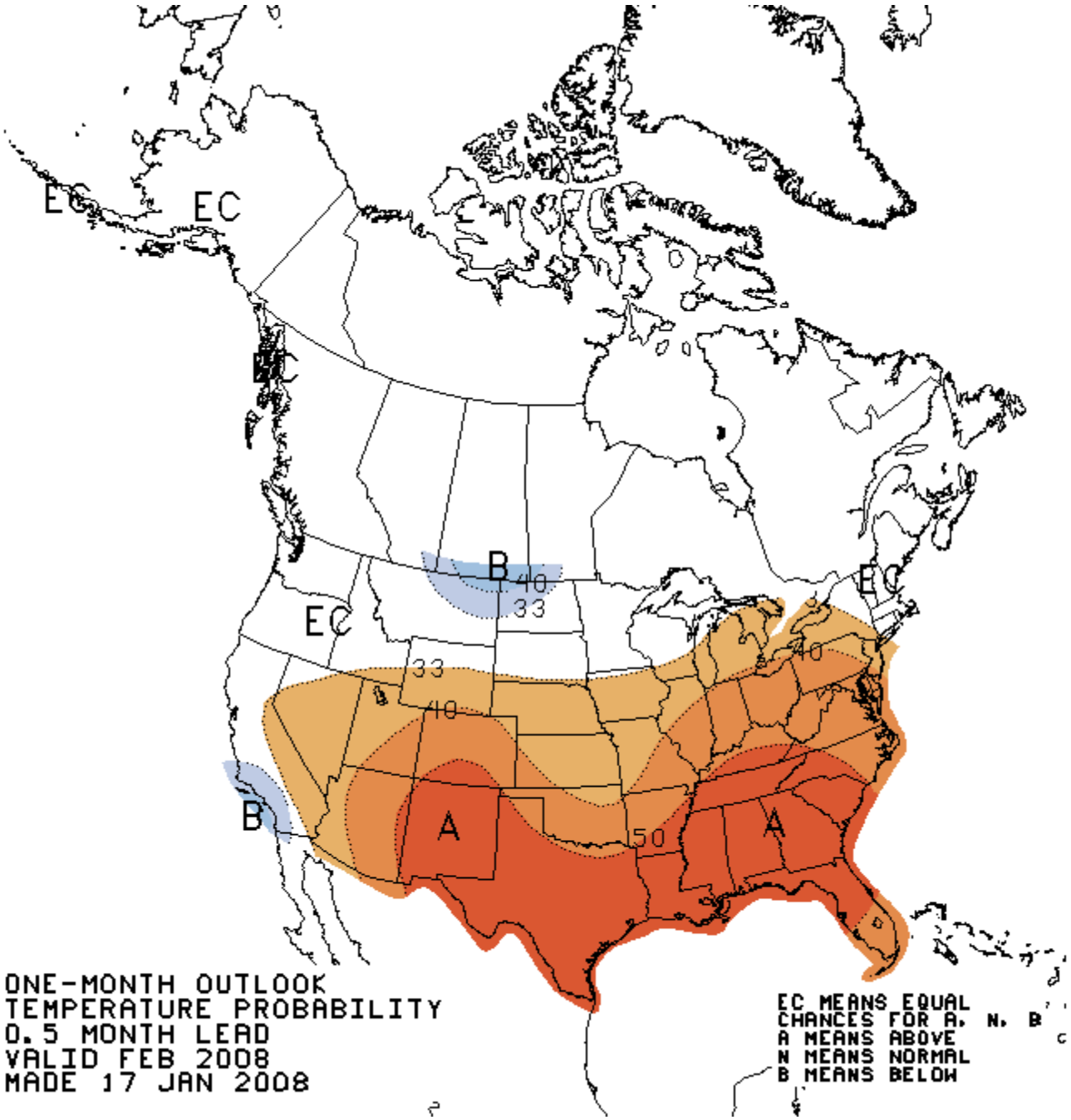
USDA National Drought Mitigation Center

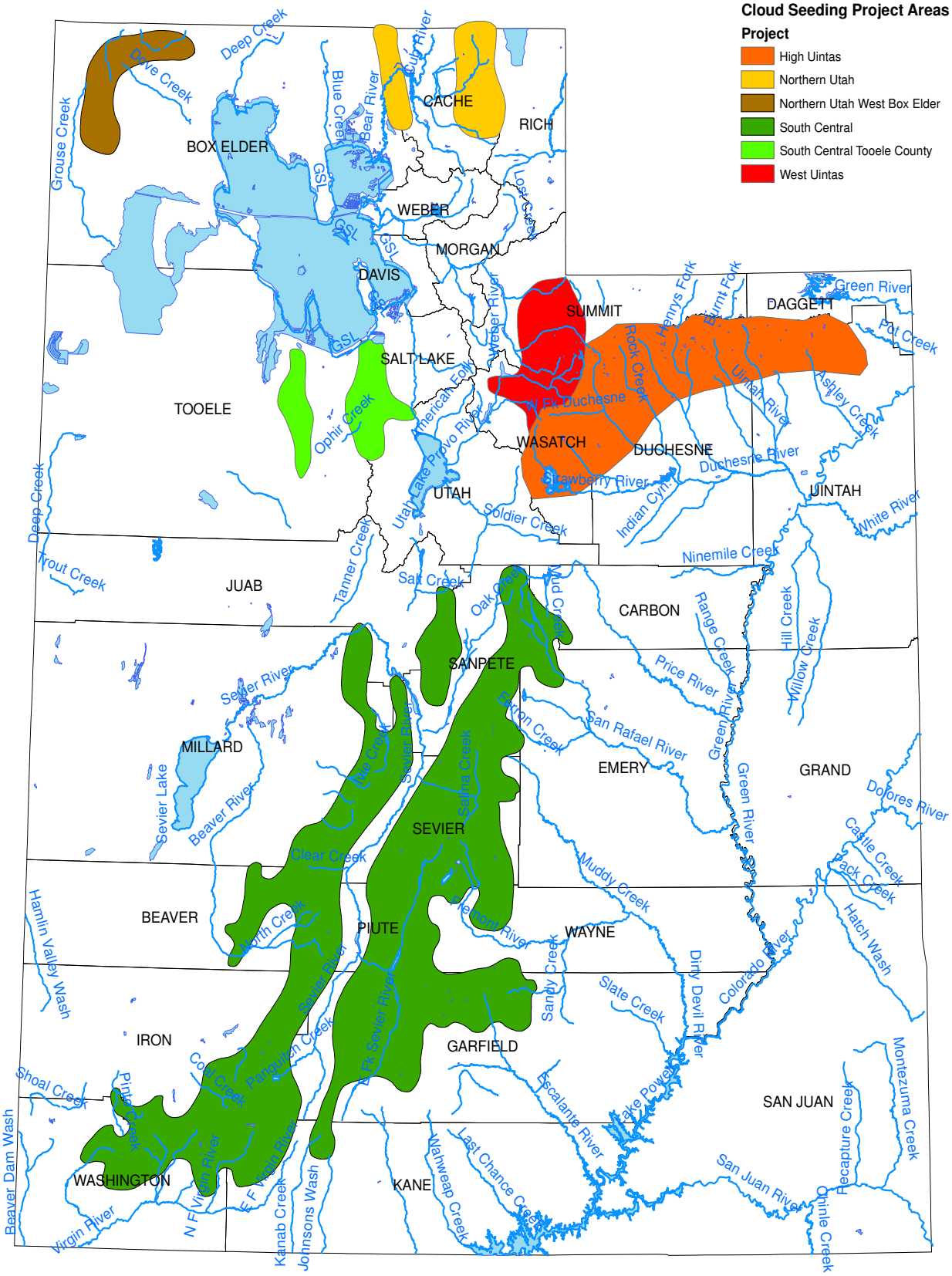
Released Thursday, January 24, 2008

Author: David Miskus, JAWF/CPC/NOAA


Drought Severity Index by Division
Weekly Value for Period Ending 19 JAN 2008
Long Term Palmer
CLIMATE PREDICTION CENTER, NOAA
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
-1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)

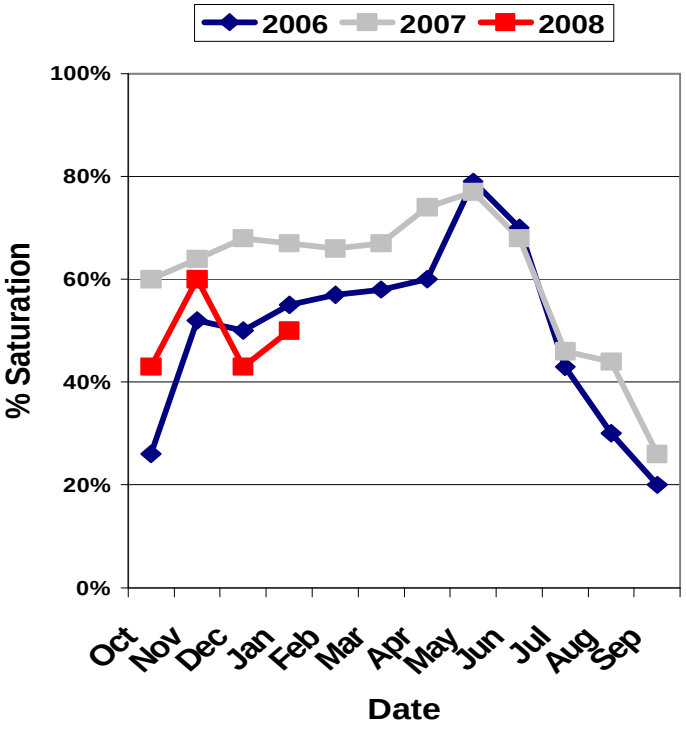

EC
EC
EC
A
40
33
A
40
33
B
40
33
40
40
B
ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID FEB 2008
MADE 17 JAN 2008
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW


EC
EC
EC
B
40
33
EC
33
40
40
B
A
50
A
ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID FEB 2008
MADE 17 JAN 2008
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

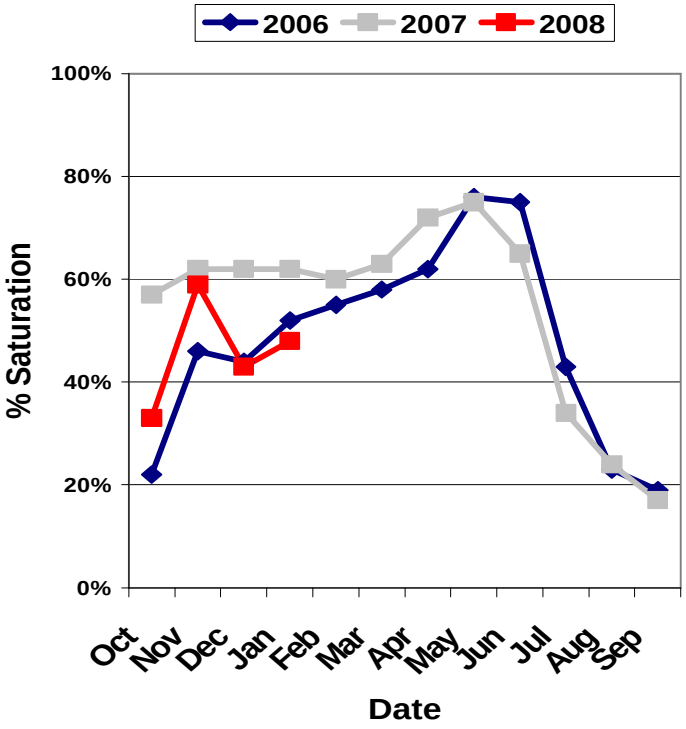

Legend
Cloud Seeding Project Areas
Project
High Uintas
Northern Utah
Northern Utah West Box Elder
South Central
South Central Tooele County
West Uintas
BOX ELDER
CACHE
RICH
WEBER
MORGAN
DAVIS
SUMMIT
DAGGETT
SALT LAKE
TOOELE
WASATCH
DUCHESNE
UINTAH
UTAH
JUAB
CARBON
SANPETE
MILLARD
EMERY
GRAND
SEVIER
BEAVER
PIUTE
WAYNE
IRON
GARFIELD
SAN JUAN
WASHINGTON
KANE
GSL
Deep Creek
Grouse Creek
Blue Creek
Bear River
Weber River
Lost Creek
Ophir Creek
American Fork
Provo River
Utah Lake
Rock Creek
Henrys Fork
Burnt Fork
Green River
Fox Creek
Ashley Creek
Uinta River
N Fk Duchesne
Strawberry River
Duchesne River
Indian Cyn.
White River
Soldier Creek
Ninemile Creek
Trout Creek
Tanner Creek
Salt Creek
Oak Creek
Mud Creek
Range Creek
Hill Creek
Willow Creek
Price River
San Rafael River
Green River
Dolores River
Castle Creek
Sevier River
Sevier Lake
Beaver River
Clear Creek
Salina Creek
Muddy Creek
Hatch Wash
Hamlin Valley Wash
Dirty Devil River
Colorado River
Sandy Creek
Slate Creek
Escalante River
Lake Powell
Montezuma Creek
Recapture Creek
San Juan River
Chinle Creek
Last Chance Creek
Wahweap Creek
Kanab Creek
Johnsons Wash
Virgin River
Beaver Dam Wash
Shoal Creek
Pinto Creek
Coal Creek
Pangaitch Creek
N Fk Sevier River
E Fk Sevier River
N Fk Virgin River
E Fk Virgin River

Watershed Soil Moisture Charts for Utah Water Supply

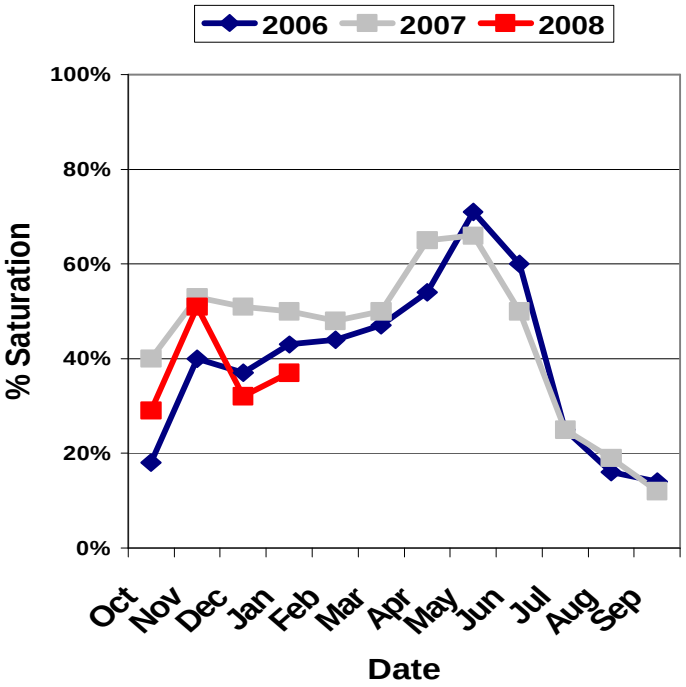
Bear River Soil Moisture



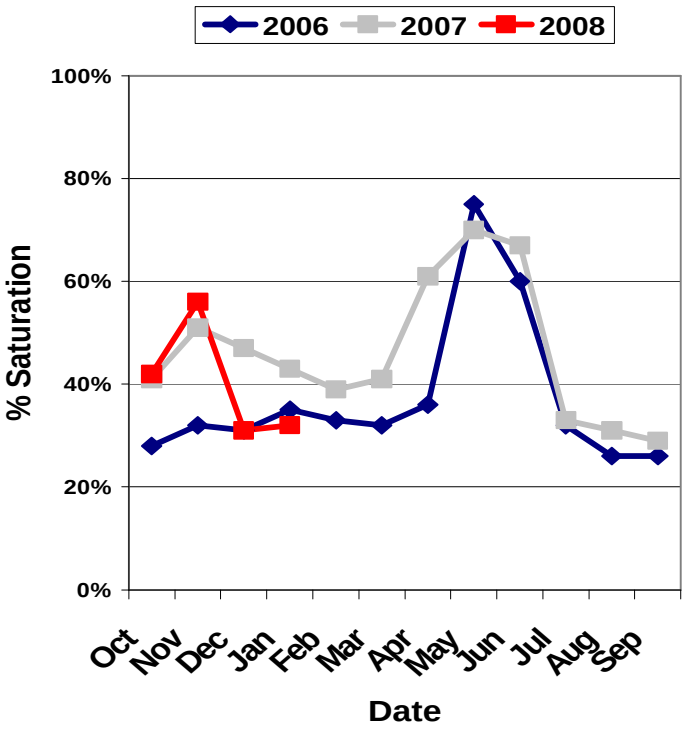
Weber River Soil Moisture



Jordan/Provo River Soil Moisture

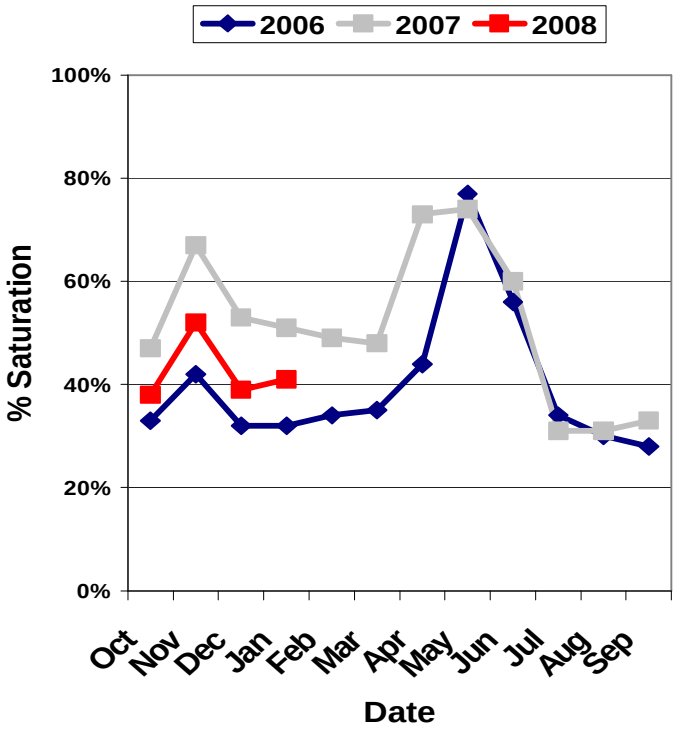


Uintah Basin Soil Moisture

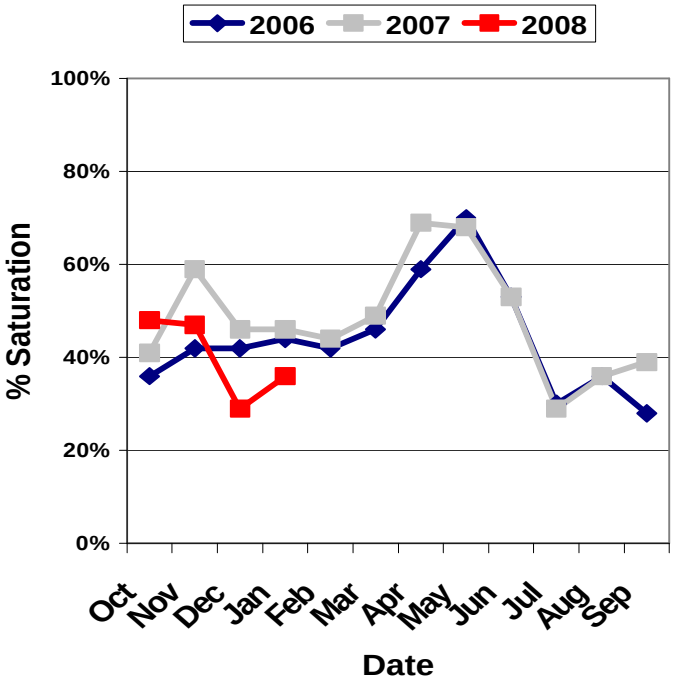


Watershed Soil Moisture Charts for Utah Water Supply

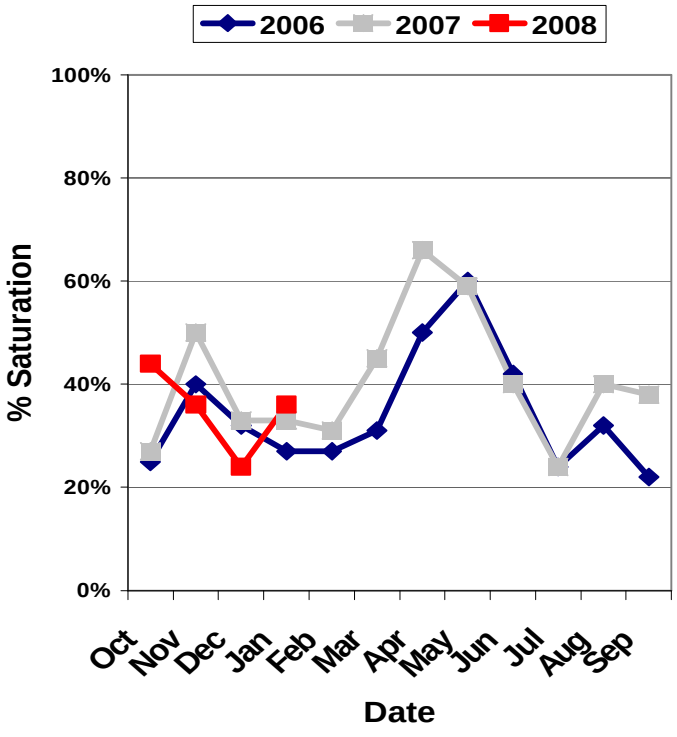
South East Utah Soil Moisture



Sevier/Beaver River Soil Moisture



Southwest Utah Soil Moisture



Statewide Soil Moisture